

<210> 2674
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 2674

cgctgcaagc ttgaacacca tataagtga ggcaaaaccc ttattcctaa gccttaaggt 60
 tttggattaa agcgtgggtt catgttcaact tatgggtgttg cttgaggctt gttgggtgcaa 120
 atctccctaa tgggtacccc tctcgattgc accaaattgg gatcagagct ttgattcttg 180
 aaattaaatg ttatctatcc tttgggcttt ctttttattg agcgggttct catttggttg 240
 ctctttccct tttgggtaac tttatattat tatttcatcc tcctttgctt tatttccttg 300
 agactatctt tctttttctg aactctatct agcatcaata tcttttttac ctttttttaa 360
 taaatactac caacaaattt gcgcacaaaa agaaagaagc gaaaaaata tataattttc 420
 aaaatttgaa gcc 433

<210> 2675
 <211> 208
 <212> DNA
 <213> Glycine max

<400> 2675

tggtgtttca cctatggaga ttttgaatta aggggggtgtg ttatttataa ttcagaatat 60
 tagttgtaaa gtttggtagt ttgtttagtt agttgagtgt gataagacag tgattgaggc 120
 tgaacttgag ttgtataaat agcctctgtg taatttagtt cataatgcaa ttcattctcat 180
 tttagtatat gctttttcct ggctttct 208

<210> 2676
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 2676

agcttgcttg gtagatagtc aaggcttgga cacctactgt gggttggggc ctggtacgct 60
 ccctaattggg gggatacggg gtcgtcacac aaatctacat caaatatgtt gtcgccttca 120
 agctttcagc ataacattgc tgttctact tttaatcttc cttgacaacc atgatatctc 180

ccatcaaggt ggggactttc atcttgaaat gtatggagat gatgactcct agctcgtttg 240
 gtgttttccct gccaatcaaa gcaaagtaag aggtatttgc accaacaatt aaatacctaa 300
 ttgtgaagct ccttgagaga tggccttgat cgaaggttgt cattatgtca acgtagcctt 360
 ttgtctctac tctttcttcg acaaagctga ggagtgatcc acagtgtggc tggattggat 420
 caagtgagac tccagccttt gaaatgttt 449

<210> 2677
 <211> 501
 <212> DNA
 <213> Glycine max

<400> 2677

gcatgcaagc ttgcatttgg aattgcgaaa gcccactcc atcattaaga ttagtacctg 60
 acatctcaaa caaacaatc aaacgtaaca agacaattat agttgctgtt tgaatacctc 120
 acccactcaa gggatcaca caattatggc ttttctctaa tgaaacactc ttgcctttta 180
 ccactcta at tccccttgag ttcttaggca attcaagaga ttatggccac aacaaagaac 240
 aattcaccaa tatgtgtaag gtaaggctag acaaagaaaa ggtaaccaa gaaaaaggct 300
 aacaatgttt ttaggcacca atgaaggaaa caaaattcag aattcatgaa ttcaagaaac 360
 aatccttcat gcaacaaaaa tattacctta aaagagtttt ttttttaagt ttttcagcca 420
 tgaaccattc agtccaatt tttttttttt ttaaattttg cttatcgaaa aacctgcttc 480
 tttttttttt ttaaaaccaa a 501

<210> 2678
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 2678

tgcagtgaac tttcttggtta cgggtttttt ggcattgaaa tatggaagac actaggactc 60
 acaggcaagt gggacaaagt ttgtttgtgc gagttgacaa gcttcagtta ggtactctcc 120
 ttatttctta cttaatatg aaaatccatc attatttttt ggtaacaata aatagtccat 180
 gattgttatt actcgtttga g 201

<210> 2679

<211> 950
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2679

gaaagatgtg gtgaggnagg gatagactag atagaatgga atgtcagatg gaatatgtga 60
 ttgaatgaat tatgactcac acaaagacca acggggnttg tgacttgtga agtaccggga 120
 ttttgaaaaa gacccgagcg atgcaagcta tagnttnttt tattaatgga tagaatatta 180
 tgggtggaaga tagaaccatg gaaggcggat ccacataaag ggaaaatggg tgtgttgtaa 240
 gaattcagtt ttttcagata tcgtaagcta aatgtttggg tgtatattag ttaaattattc 300
 caattataat tggcttgatg aaagaattat tttatattgg ggaacacgat atagaaaata 360
 agataataag aacgtttggg taatagttaa atttattttg ggatcgaata tgtgagatta 420
 ggaggggaatt atttttgtta aaggaattgg ggggtttgtg aaaaacaaag tataggtagg 480
 gtgctgttgt aataacaatt tattagaagg agtaaaatta taggggcgat aattaaaatg 540
 taaataatta ttaattattg gggtgaaaaa aaaggatgga atattttgga aagggtctggt 600
 ggaaggggtac aggggtgggag aggttgata aattacaata agaatatgag ttttggttat 660
 atatttgatg tttggtgagg gagggcggaa attaaatatt agttaatttt tgttgagaaa 720
 gaagtgatag aggtatatga ttggggggga cgaattgtat tttatttatt atgacagatg 780
 ttttgagggg gaaaagtatt gactaattga gaattaataa aagcatggtg ctggaggggtg 840
 ttggaattat aggacaaaaa taaatgagat ggaaattggg tgagagggat tatgtaggga 900
 aaatttatgg agtgattgaa gagagaatag ggatgaggat gtgtagatgn 950

<210> 2680
 <211> 195
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2680

gcttagngac cccaacttga gcttaatgca gggaacatgc ttttatttgg ttttagaggt 60
 agaaaaacat gaaaattagg attttcttgt gagagttttt gctcgaattt tgggtgcccc 120
 atgtttgata ctttacatag agggagcatg ggaaacacct tgcaatagtg tggatacata 180

<210> 2681
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 2681

agcttgtagg attatgggt acccatcaca tgttgtagt tgtggcggtc gggcgatggt 60
 gcacaacaag tttttccaaa ttcacaatgc gcgcataaac ccaccatccc ctggtgcccc 120
 cctccaactg agctcacgta ctcccacgta gcccatatcc ttgtttctct caacaccggg 180
 gtcccatcaa tcttcccaag cttccacaat atccaaacaa aacaacattc acacagcaca 240
 agctatcaca gccaagcaaa acagagcaaa ggcagaaaac tctgccaaaa caccaaccaa 300
 aatcacagc tttttccact caaagacgcc agtaacaatt ctttctatcc aattcgtaaa 360
 ccgttggtac gactccacaa atatactgga agtctatagg gcataaccta cattttgacc 420
 gttgggaact actagcaaac atccagaact cattctacat tactctttcc caaccagca 480
 aaacatggat ttt 493

<210> 2682
 <211> 194
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2682

tttaattgat acttcatatt tcttatagga tgagtaaten ggtttatggt caattaacaa 60
 ctttattatt aatgcggcat attatacagg gggaaataca agatcccacg agtcttcgcc 120
 ttacatgtcc cttcttcgcc ttaagcatac aacaccacac ttataatctt cacgtctttc 180
 ttaggagcta taac 194

<210> 2683
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 2683

gctttcacia catccaagca aaacaactat ttttacagca caaactacca cagccaagaa 60

aacagagcac aggcagaatc acagcttttc tcacttataa accccagtaa caattctctt 120
 cgttccaatt cggtaacccg atggaatcga ctccgaaaat tttacctgga aggcctctaa 180
 aacctcaagc ctacattttg accggtggga tctactagca aacatccaga aatcattctg 240
 gactactctt tccacagcca aatacacaca agcatttttc tgcacaaaag caaaaacctg 300
 ctgcacccta ttttgacagc aaaatactgg ataagcgcag aacttgaaaa atacaccttc 360
 ccctatccag atcttgccaa atcaaaacct acaagcccc 399

<210> 2684
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 2684

aactaaattg tttggacaat attattttta actaacttaa actaatattt aaagttacta 60
 ctcataagga agtatgggcc ttgattagc tcattctaate ttcctaatta aactaattac 120
 acaaagcaaa gtccaaattc acaacccaat tattcatcaa gtgcagaggt tctgacttcc 180
 aagc 184

<210> 2685
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 2685

agctttttgt tgcgttaaatt ttcttaaatt ttatcacaaa ttcaaaacct taagccaccg 60
 ggtcaacaat agaattctttt tattgctttt tttctaaagt tggcacaaaa aaacagatgt 120
 tcaattatgt gggtagataa ttccaccaac aaaattattt gttaaagtga actcaatctc 180
 tcacagtagc gtaagatcat attatattta tatgtggaaa aacaatttat ttaataaaaag 240
 aaattatatt taacttttat cgcattgtaa actttattta attaacgacg aatattgccat 300
 tgcaacggaa ttaattctatg accaaatgat ttgaaagata tctatgattt ctgatttagg 360
 ttaattaaaa aaggaaccaa ttcatatttt taattattta taacttatat taactaaggg 420
 aataaaaaatt tcaattctat tctcatttg 449

<210> 2686
 <211> 177
 <212> DNA
 <213> Glycine max

<400> 2686

tgagactttg agaaaggagt atgacagata tgagcctgag acttttagga aagaacagag 60
 tagagatctg ctacaagaaa agcatttaaa ttctggagat gaccgttgtc attcctcttt 120
 atcccattgg ccagcatata caagagaatc tccttcagca gattgttttag ctaaattg 177

<210> 2687
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2687

atgcaagctt ttttgagggt gccttattgt gtgctatattt accttcctga aacaacgggt 60
 accttaaccc tcccccaaat taggggcata tcatgactaa aatccttatg ctctcttaaa 120
 ccctaaaana aggtacgaga ttattaaagt tcgcttatgg agtttacaaa aaaacatgac 180
 tattatTTTTT ggctcaaata acgtgcgaag gatataaatt atcattcagg gctgggtttt 240
 tggccaagtg gctgaaaata agaagaaaca aagccttgat cattttcacc tcatgtaatt 300
 tatc 304

<210> 2688
 <211> 198
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2688

cttcttttgg atgatatgat gataaaattg ggntggtaac ttactaattt tcaagaaaaa 60
 tatggacttc ttgtggatac aagatcataa atgttctgaa agttgcaagt tgaaacattt 120
 cttgtttgtg cccctgaaca taacctcaac ttctacatta aatgttgac aaacaggtcg 180
 atggtcagag aacttaaa 198

<210> 2689
 <211> 1042

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2689

gtggggttga tagatattag atgataagga atgtatggta tattgatgta ggattatgta 60
 aataagtgta tcnaaataaa tgaaagagna cnttgtggct ttgagaacct tgggagaaac 120
 cgcgcattnt ntagagaaaa aaccgcgcga atggtagaat tgatagaaaa atgggtataa 180
 gtatatatat tatattgggt aagtntgtgg agggggggag tgagaaaaat attatagtgt 240
 aaatgcgatg agatttatgt ttaatgtgaa gaaaatttgt gttaaataaa agtaaaaaga 300
 tgtgaaataa tggagaattt ttaattaatg ttaggtggaa gatgatattt aaataagtat 360
 gtttaattata gagtgtaggg tgtggaagga gattaaagta tggggattat ggaggtgagt 420
 gaagatttta agatagatgt gttgggaatt tgtggagttt ataagttag gatgtagaga 480
 aaagaattat gaaagtattg tattaggagg agtggataga ttattgtgtt tgggtaggtt 540
 agaaaattta aaataagaat agagtgagaa atataggtat tagttgggag atagatgata 600
 gtgatgtggg ggataaattt gataagatgt tggatgatgg atgaatgata ggtggcgagt 660
 gaataagtaa atatttttgt agagtgaaga gagtttgatg attgaagtag agaagtatag 720
 ttagatgaat gtatataagg tagttgagtg agaagtatg atggaaatat atatgagaat 780
 tgtagattga attatgtgaa gtttaaattg tggatataga atttatgtga ttgatatt 840
 gatgatttat attgatagtg ttgttgtgng ggttattgaa agatggattg agtatagggt 900
 atattgtatt attagtagtg tgatacgtat ggtggttatg tgaagaggat aaagagatgg 960
 gaagactaag tgaaaagttg tgaaaaatgt tagggatgtg atgtatttat tgtggatgaa 1020
 gttatggatg tagtgagata ag 1042

<210> 2690
 <211> 164
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2690

aaanaaatag taatgattta tagttagnnt agttataatg aaggaagtta naagtttgtt 60
 tggatataga aaaactagtg aatgaaatg atattaaaag agnagataat gaaaggtaag 120

ataanttttag ttttaatgaa antgatagtt anttttnatt agta

164

<210> 2691
<211> 925
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2691

nnttgacacc cnnatttaag tcctcgaacn nntttgtntt ggaagtgcga aaaccanccc 60
ncnnattagt nnnnnnnnnn nngtatnnan ngttagtatt tttttatttt aaagngaatt 120
aatataggtg tgggggtgat gtttatagtt ggatgaaatg gaagaatgat aagaagaatg 180
ataaataagg ggagggggaa gaggtatgat aaagaaatga ggaangttaa tggtagaaaa 240
tggaggggtg atgtatatag gagaagtagg gtggggaata tgtgaataaa aataggagaa 300
aaagagatta gggggatgtg taaaaggaga atgagtgtgg aggaaaatgt attttatatg 360
gaataatatg ataatttgn tgggaatgta gtgttatatg gttagatatt atgaggatta 420
aaataagtta agtagagtgg taggaagagg tagtaataat gtaattgata tagttgttgt 480
atgtgtatgt aggggattga agatgttttg aatgtattgg ttagatgaag tgtatgggtg 540
tatggatata ttgagttatt gatatatgga ttgatgaatg attgtatagt gttagaagat 600
ggtatgaaga gtaggaataa ggggaagatg tggtgagaga agaattgatg ataataaata 660
agtggaagtg aatgtaaata gagtgaatta ggtggattgt ggataaggaa tattttgatg 720
gtaagtttga gttaggattg gtgatgtaat atgtaaatat gtgatgatta taattagagt 780
tatgtatagt ttatgaatgt gagagaatta aattaattag gatgtgggtg tataaggtag 840
ggattgtata tagttggtat gtataaagtt tattggataa aaatagggtg agtttaggta 900
tggaattagg aaagtaagtg gaatg 925

<210> 2692
<211> 781
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2692

nttgaacact gatngcacgc gatgntgagn tacatgtcta ttnnattgaa atatgtattg 60

gtaaanntnt ttgtttgatg tggggaaatt ggaggggggg gatatttggg gtggatagga 120
 ggatactata attttttgaa gagatggggg tggataatga gnagagtggg tatagggaaa 180
 gaaatgttgg attatttaag tatagatgag aaagtagttt aaaaaaattt gaacgatatt 240
 tatgatatta atgaaatttt aaaatttcat tgttgtgagg ggttggaaaa gagaaatatt 300
 cttgaatatg gtaaagagtt tttgatattg aaatattata gagatgaaaa taaaggggtt 360
 aagattagaa ataataataa tagttgtatt attaatgtaa aagaggggaag gttatttcta 420
 gatgaagggg ttaggataaa aaggagatta tgatatttgg atggagaaaa aaagagatga 480
 atatagaaaa taaaggagat gatgagatgt aaaagatggt aagtatgttt tataaagatg 540
 tgtgagggaa taatgttaaa atatatatat aatggaaaaa atgtaaattg atggagataa 600
 tataataaat tatttttaggg agaaagaggg ggtgaattgt atgtagaagg aaaaattgtt 660
 gtgtatgtat tttatagatt gagtgttaatt agatataaaa gtaaagaatt atatatatag 720
 gttgatatta tattgattat aaggaattat aaatgagaat tgaaataaga gtagatgtaa 780
 g 781

<210> 2693
 <211> 146
 <212> DNA
 <213> Glycine max

<400> 2693

ttatttaaat gaatttgggg ttgggggtaa atcttaacat agttttttcg atagataatg 60
 taatgtgatt tgtataaaga tgttatggga atgttgtaac aatgctttta aaacttattg 120
 atatattctg agaggttga tgtaat . 146

<210> 2694
 <211> 186
 <212> DNA
 <213> Glycine max

<400> 2694

ttgtaatacc aatatcaata attttaatta tattagagat aattgcactt aacgtgacag 60
 ggcacgctaa acgcacaaaa aacaccataa attttctaatt ttgtctatga aaacaacata 120
 tacttcgtct ttagacgtaa cataccgcaa cttatacgaa ggtcataatg catattgaac 180

ttttac

186

<210> 2695
<211> 171
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2695

gaacgaaggg gaaaaagaga ctatgtatgt ttacttgccg cgaatttatt cttcagcaac 60
gaaagtcgcc ccatagacta tggatnatgg actgattggc gcttgaaggg acatatgtga 120
tctgttgat atataatgac gagaaaatgg ttgaaagaat gcaaagaaag g 171

<210> 2696
<211> 408
<212> DNA
<213> Glycine max

<400> 2696

agcttgagta aatatcttga ggaggccaaa ctggtctaac aatatactta aaatcaattt 60
gaagtcatat aacatttgtg attcaaatac atgttatata aattggtttt ataagtattg 120
gcattacaaa agtaagtacc aaatgaaaca caaatattac atctatttaa actattgctt 180
ttcattcttg gaagaagtca cccaaaataa tcaattcaga gctaaaaaat ttaactattt 240
cttttttaat ataaaatcta actaatcatt ttgcccaaaa aaagagggaa aacccccacc 300
aaagtataag tatttatgaa caacaagaat ttcaataaat attttttttt aatttgagaa 360
attttaaaaa attaattcga aacttgtaaa aagaaaattt tttcccac 408

<210> 2697
<211> 204
<212> DNA
<213> Glycine max

<400> 2697

cttgaaaaat atgctgagga gtgcgttatc tgcgataatt gatgaaatgt attcaacttt 60
cataaaggac agacatatcc ttaatggaat tctgatcctt aatgaagtgg ttgaggaaac 120
tttgaagaga aagaagccag ttatggtttt caaagcggat ttctaaaagg cctatgattc 180

tgtatcttgg tcttttttgg atta

204

<210> 2698
<211> 212
<212> DNA
<213> Glycine max

<400> 2698

tcaagctttt ggaatataag ctgaggagag tggtatctgc gataattgat gaaaggtctt 60
caactttcat aaaggacaga catatcctta atggaattct gatccttaat gaggtggttg 120
aggaaacttt gaagagaaaag aagcctgttc tggttttcaa agtggatttc caaaaggcct 180
atgattctgt atcttgggtct tttttggatt ac 212

<210> 2699
<211> 481
<212> DNA
<213> Glycine max

<400> 2699

attgaaaaga tttctgcttg attgagtgc tttggcatgc catgggtatt ttggatcgac 60
cggaaggaga ccaagtttct ttaaagagag cgtactgcc agcaaaagct ggcttatctg 120
gatccaaggt tgctatctta ggtgctgctg cgctgggcct gggagaattg gacaaccct 180
tacgttgcta atcaactaga ttctgttctt cttctttatc tttatgatgc tgtgaactcc 240
cttgggtactt gtcaactatg ttatccatat tacacttttt tgcagatgcc ccgaaagggtg 300
gcttttattt aagaggtatt tcttctcttg tatattcaac gaaaaaatat ggtagtactt 360
gaagtatagt gttacagatt tacaatatata aaacaaatta cctggggcaaa gagatttcat 420
tccccacta tgaattacct ttaaagggtc acacttctca cagtatattt acctttaacc 480
g 481

<210> 2700
<211> 194
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2700

agncggtgga ccgtgccatg catgatttat tttttangga gcggntaaat aattagggtg 60

atgcatactt cttttaatta ttttaataata agaaataaga attttttatt tttttaaata 120
 taagtaaatt ttaattatct ctgttttatt taatgaaatt ctctacaaaa cttcttttat 180
 ttaataaaaa taaa 194

<210> 2701
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 2701

ttcattaagt gggattagag cacacagagc ttttaagtagt gctaaatggt gtttcttcat 60
 taatgataaa attaatgaag aatttaagta gcacaagaac tccttaaacc tccattaatt 120
 ttcagcttta ccttcccttt cattggtggt tcttcatttt tctccctgta tctcctcaca 180
 tgtctaaggc ttaatgtttt taacatgatac ttttagaatt tccactgatt aaacttgcta 240
 tacaagctag attttatctt ttatgggtca aatttcttgt tcttgaacca taaattgggg 300
 tgagttaagg tcctttgagc tttggattgc tattttttgt ggctgaaacc tgaatgataa 360
 aattcttata aaacctttaa gtagaagaaa accctcaaaa atcta 405

<210> 2702
 <211> 1030
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2702

gatgtgggag agggangatg aggtgtaaga agaagtatga ttgaaagtgt gcatatgtgg 60
 agaagtatta tannccctcc aggaggggtg agtctgtanc actgccnnnt tgggaaaaaa 120
 gcccgccng ngagngggag ggggnanngag gggggaagaa aggattaaga gttttttatg 180
 aaganaggag ggttgggggg ggggggggtg ggaatagtag tgataatgtg ggggggggaat 240
 tgggtgggag gggtaagggtg tgatgggtgg tttgggtggg gggtgagaat aaggataagg 300
 gggatgaagt gggggagagg ggtatgaggg agtggggaag ttgtgagact tatgannnnn 360
 ngngngnggn gggagnggga ggaggaggag gggagggagg ggggaagagg gggggggaga 420
 aggggggggag gaggagaggg aagaggagga ggaagaggga ggggggaaaa ggggaagagag 480

ggtgggagga ggaaggggga gaggggggag ggagaggggg gagngagaaa ggaagagagg 540
 ggaaaagggg aggagaaagg ggggggaggg gggggggaag agagagggagg gaggggggga 600
 ggnngggagg gagaggggga tggangagag ggagaagggg atgaggaagg agagaaaggg 660
 aaagaaggag gnaggtgggg nagnagagga gagaggaggg agaagganag ggtaggagaa 720
 tgtggtagag ggtgtgaaga ggaatggatt gtgatgtgga gaagatgtga ttgtggtgat 780
 agattgggaa gagtgggtag aaggagttgg gagtggaata ggggtgggag agaaggatgg 840
 ggaagagggg tgagagaggt atggagttag tgggtgtggtg agaggatgtg tggtagagat 900
 gagggggaga tgaggtggta tatgtgatgt agagaatggg tgtgggatgg agtgnangag 960
 agatagaatt gtgatgagga gtgggggtag tgggtgagtgt gaagtgattt gaggtagatga 1020
 ggagagaaggg 1030

<210> 2703
 <211> 488
 <212> DNA
 <213> Glycine max

<400> 2703

agcttgccgc acgggagaag ttggtcccca gcgaatcaag atatggactc agataagggg 60
 gtccaaaact ctgtgctgaa atttcaaggt tatgaaacaa aataagaatt caaatccttc 120
 atcaggcaat aatatgcata ataaaattgc ttcacgtgac aagtcattcg atcatgtata 180
 gacttaatta ttaattttgg tctaactga aaaagtgaat gaatatatta tcatgtatca 240
 tagcttgaca atgattaaaa tgttcatgga cgtacgaaat ttattttact tategctaaa 300
 taatatctac ccttcataat ttaagcctac atttttatat ctggtagctc ctttcctaaa 360
 ggcggtttta acttacaagt tatatatatc gatgtcatcg tttgaccaa aaaaatttgt 420
 ggtgaaaagg cggaggacaa gaaagaatga aaagaaaacg gatctgatac catgatagcc 480
 acacatct 488

<210> 2704
 <211> 206
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2704

ttccccgcgag tanaaacatg ggaccaactc attttatttc aaatatagaa gtcgtatcca 60
 gtcaaggtct gagagaccat acaagtttcc taacgatttc taattatgtg ggccattaag 120
 tctatcatat gctgacaata gccgagaagc ccatgaatct cttccggggg ggagtaggtg 180
 tctgccatcg tcttggcctt ggctaa 206

<210> 2705
 <211> 346
 <212> DNA
 <213> Glycine max
 <400> 2705

agcttatgcg catacttggt tacgaacggt ttcttgctca agacattttt ataactaaga 60
 aaaatgcgcc catattcaag tcaggcacct tcgctaccta gattatttat atgtacttcc 120
 aaggtggagt tgggtacct atttcatgca ctttcttggg taaatttaca tacaatgccg 180
 acttcaagca tttgggggac caaaaaatgc acatgcgcac attccggtat ttttaaaact 240
 tatgcatata caaactttgg gaggaactt ggctatctac acagttaagg gaaacatttc 300
 atggtttaat caagtgttc aggaacctaa agcccactgt catttc 346

<210> 2706
 <211> 202
 <212> DNA
 <213> Glycine max
 <400> 2706

ctgagccaaa atcttgactc accgtaaacc ttgactcttg gtgtttaatg tcaatcctta 60
 ccctcggaag caaataatag aagagaagga aaatttccaa tctaaggaaa aaagagagga 120
 aaggaaattc ccaatcaaag agtgggagaa agcataaaga aaagaaagaa aattccta 180
 caaagaatgg gagaaagaaa aa 202

<210> 2707
 <211> 510
 <212> DNA
 <213> Glycine max
 <400> 2707

agctttataa ccacaaacaa aaaattattt gttattagct ttttttaaaa caaaaaatat 60

gacatatgtt aataaaaacc atttcataca ctctgcaaaa ccatttcata cagtatttgt 120
 agtgtactct caatggaaat acacttatga gataacctct aatctttttt tatcagtga 180
 aaactctata aaaaaaggta aaaccaaaag atagaaactc caaggacctt ataagtccaa 240
 tcagctgagc ccactgagca tcaacagtac tccattgate cccctcaata accaaaacaa 300
 tatgaaatac ggcatgtgag aataggggtca aagaggataa cattagcata gaccatgata 360
 tcaaagatgg ttgacagacg cgaaatcttg ttgcaataca gaaaaagatt cctacataaa 420
 taaagaataa ctagtatata gcatctacaa actagaaaaa gaaaggccag tgatgaatga 480
 taaaaagaat aataaatctt tatgtccaac 510

<210> 2708
 <211> 198
 <212> DNA
 <213> Glycine max
 <400> 2708

tgaggataga gacttcccaa gctatttatc ttctctctca gagaggctct ctaactttct 60
 agctttctta ctctaagaag tggattcact cttgtcttgg atcgactcac tctacggtgg 120
 ctactcaag cttgaggata gagacttccc aaactattta tctcaaaaat cctcccaact 180
 acttcaaaaa tttccttt 198

<210> 2709
 <211> 497
 <212> DNA
 <213> Glycine max
 <400> 2709

agctttagg attatggggg acccatcaca tgttgtacta agtggcgggc gggcgatgg 60
 gcacaaaaag tttttcacat ccacaaagcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag cccatattct cggttctctc aacaccgggt 180
 ccccatcaat cctcccaagc ttccccaaca atcaagtaat tcaacaataa aacaacacaa 240
 actatcacag ccaagaaaac agggcaaagg cagaaaactc tgcccaaaac accaaccaaa 300
 atcacagctt ttctcactta aagaccctag gaacaaattc ttcgttccaa ttcgttaacc 360
 ggtggatcga ctcgaaaatc ttactgcacg tctctggacc ataagcttac attttgaccg 420

ttgggatcta ctagaaaaca ttcataacta attctgcact actctttcca cagccattca 480
cacacaagca tttttct 497

<210> 2710
<211> 197
<212> DNA
<213> Glycine max

<400> 2710

tttgtatggg gcttaatgct tgatattacc aacaaaattc aatctcagca acagaaacat 60
tcctttggct gaggaggata cgcggtgccc attgtaatgc aactgaggag agtgaaaatc 120
acaagttttt tgcttgctgg ttctcatcac aaatctggaa taaatgttat aagtgattga 180
gagtatagat ggtacaa 197

<210> 2711
<211> 318
<212> DNA
<213> Glycine max

<400> 2711

agcctgaatt gacggatctt tttgtgagta aataaataat aagaagtcca ctttgactgg 60
tgcatttttg caaaatgtct taatggagta acctcaaact atatgttttg ggcttaaact 120
aactaacctt tactttttca agaaacaaaa atcttcaaaa tcacgatcaa gacctaactt 180
tgaaatgaaa gacgtcctc caaagaagca aaagcagtgg caatgaaaac actctaaatg 240
cttaaagctg taagcaaaac tctctttctc tctctttctg tggatgaatt gtcaacctga 300
gagtttactt aaactagt 318

<210> 2712
<211> 204
<212> DNA
<213> Glycine max

<400> 2712

tcctgtggat gaggggataa gatgggacga atgtgttaaa tagaaaatat agaagaaagt 60
ttacgatgaa aatcattttc tttggtagta cataaaaccg aattgaagga taacaatttc 120
tttttttact gtgtcttctc tgcctttttt ttatagaaaa atgttgtttg caatatttgt 180

gaagtatcct gttacaaatt acaa

204

<210> 2713
<211> 340
<212> DNA
<213> Glycine max

<400> 2713

agcctgctct aaatttacat tgatgtttgc atttattgga ggaggttgta tgtcattttt 60
gttttaagag tagtgtccca ctggtaaaac taacttttcc aatgtttgcc ctgcaggaa 120
atggcccca ggaagcttgc ctcaaagagg tccaggaagg acaaagcagc cgaaggaact 180
agttccgctc cggagtatga tagtcaccgc tttaagagtg ctgttcacca gcagcgcttc 240
gaggccatca agggatggtc gtttctccgg gagcgacgag tccagctcaa ggacgactag 300
tatactgatt ttcaggagga aatacggcgc cgccggtgag 340

<210> 2714
<211> 208
<212> DNA
<213> Glycine max

<400> 2714

tgttgtgcac catcgccga ccgccaccta gtaccacatg tgatgggtac ccataatcc 60
tacaggcttg agatgaggaa gtgttgaagg gtgaaacttc ctgcttttat tgttgaccac 120
agagtgttac ctggagatat gtcgcggggg tcaggagacc ttggggacgt caggtggggg 180
gctattgccc aaaatcaagc ttgaccaa 208

<210> 2715
<211> 901
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2715

tatattgggt atttccctac atctgctct cgggtgaatg cttecgctatg gccgttttta 60
ttaacaacaa aacgtcaatg gttctaataa attctgatac tttttggtta atatagttgc 120
aaccctttgg ttcataataa cagccttgaa ttctttaact cttgtacatt ggctaaattt 180

gttaatgaat gaataaacia caattttact ttgggtcctt ttaactctcc ctttctaaga 240
aagtttaagc tgcgagaaac gccctaaatt tctagtagga aaatttttaa attaataat 300
gggttggatt ccaaagctca cgaacccaac aatatctaatt ttgggtgcct aacataacctg 360
cccagaaatt ttaactttat tcatttcatt ttgaaaaac aaacgtgtat tgccaatacg 420
gaattgccaa aacaaaattt gaattttctaa atgcttaaac ccaaacctgt tgtgctaattg 480
cctaaatggc catgtaaaga ctccagggcc aaaatatcta ttgttttggg ggcaggacgg 540
agaatcaaac cttggctgac ctctgatgaa aactaactta ccaacggatg ggccaagggtg 600
gccagccaga tgggtgccctt cgctctcttc ttgtgaaaga ctttttcttt attctttaat 660
caaaaactgg caccactcaa gcattctctt taacagataa tagcactacc ttttcccaaa 720
aactaactta tgtctggaat acttcacggg aacttnatat accttactca agttaatctt 780
tccgggcaaa tactctacga gaatcgccaa cacgctggat actttctctc tccaccctac 840
ctttcatagc caacaaatgt aacaacccta ttctttccgt tttattctcc gccctcgac 900
g 901

<210> 2716
<211> 204
<212> DNA
<213> Glycine max

<400> 2716

tgatgcttct acttgtgatg aaaagattaa taacataaaa gatatagatg tacaagctct 60
ttgatgaata tgtgattgta aagtcaagtt catctattgc atcaagttct caacaaccta 120
ctgttgaaga agatttcagt atagaagaaa atcaagagat ggatgatcca tataatgtta 180
gtcttttgtt taactattta attg 204

<210> 2717
<211> 431
<212> DNA
<213> Glycine max

<400> 2717

gcttgaaata ttaatacatt gtatgtaacg tttatctcaa gaaatccaac tataacaggc 60
ttgcatgata aactttaacc caattatata aacaatcaat aatacaaaaa tcacaccttg 120

gagcctgtgc ataaaaccca tcctttgtat agtcactaac accaattgtg taaaccaa 180
ctccatcagg atacaatttt gaatacccat tccacaatcc atactgcccg aacctacaag 240
ttgaggaaaa aaagaaaaat ctaagaacag atcaactgac atctaaagga aacattttca 300
tacaattaaa aggataataa gcacagttagg ataaagattt atcattttca tcatttcattg 360
gtggagtaat aaaatgtagc acacatccaa aattagcaaa tccattaaag ccatataagg 420
acaaacaaaa a 431

<210> 2718
<211> 203
<212> DNA
<213> Glycine max

<400> 2718

taatcagctg atcaggaaca tagtatataa tatgctggacc tataactaaaa attaagagaa 60
atttgttgta ctttaaataat gatagtcata tgtgggacct tttatacaac atgagatttt 120
tttagtctta aaaaattaat aacatttttt tattgatggg tttaaagttt aaatttttagt 180
tattttatca ttaaattaat ctt 203

<210> 2719
<211> 894
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2719

gcgacctgtc tgtagctaaa caactcacccg atttggtaac acttctactt aaataacaca 60
ttgtacattc gtatctcacc cttactcaaa nncagacnn ttgtgacctc ttgtaccgcc 120
gacctctaca tcgacctgcy gcatgcaagc ttgcagcaca atcactaaca acatagtatg 180
tgtttttgag caagaagcct cctaccaga tgacgagctt tgcaggcttc aaaacatgtc 240
ggaagacgac cctgaagata ctaatgaaac ctttgcggaa ggtgatggag gtagacaaaa 300
actaaatgca caattacttc aacaactagt cttggttgaa ccaaaccagg aataatgcat 360
attaactgaa aatgagaaca aaaatgactt ttatgatata gacacttttt aggaaaacca 420
tacatttaaa gtgaacgcgg ggcctaactt aacggggacc aatactttac acctggatgg 480
acggggcgat gtatattaac acatttttaca gccatctcaa ttgaaagaaa acctaccatt 540

ttggccgcac aaaacatgct aagagggggt tcatataaga ccaacttaaa ctgttaccaa 600
 acacatatgg agaagggaac tccctattaa ataaatgcgc cttaaaggaa aggccgacac 660
 cctcagatca ctctccaga cggacggcct cgccaactca acatctaccc ccacctcccc 720
 gtttactacc tcaaagcact acgctcattc tcctcaacaa cagataaacac cgcttctcat 780
 cctacctcga taacacttta ttatatgtat ttttttttat ttatccccac ccccatcacc 840
 cccccccgc cccttgtca cccccctat taattgagtc ccccccccc cccg 894

<210> 2720
 <211> 206
 <212> DNA
 <213> Glycine max

<400> 2720

tacaaatcta ttttcagtcc aagaccataa accagataaa attttatatg gacaagataa 60
 gataatattg gatgaaataa aatctggacg aaataaaatc tagatgaaat aaaatcagga 120
 taagataaga ttgataaaa taaaattgtc tgctctcttc aattccaagc ccaattctga 180
 attcaagtcc aattacttat aattct 206

<210> 2721
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 2721

agcttctggt ttcaattacg agcgtcttga tatattatgg gactgaatcg cacatccgag 60
 tcaaaagttt aatttcgttt gaatttgctt agagcttatg ttttcaattt cgagcgtctc 120
 gatatactac gggacacaat cggacattcg agtcataagt tattgtcgtt tgaatttgct 180
 cagagcatct gttttcaatt acgagcctat cgatatattg cgagactcaa tcggagatcc 240
 gcgtaaaaag gtattgtcgt tcgaattttt ttagagcttc agctttcaat ttcgagcgtc 300
 ctgatatact acggg 315

<210> 2722
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 2722

cagctttttg caatactaac acgaatacat aatttatata aaaaaatatg ctgacacatt 60
aattaacatt ctaatggatt aatttagcca tataaacatt taaaaaacta atgtaattat 120
attctaattc tcaggaaaat gtatgaagac tttatttaac atatatcttg ctttaaaaaat 180
taacttacaa aagttccaat taaaaaacta ttatagaatt tttttgaagg ggttttacct 240
agcaccaa at gatataattct tggataaata tgaaaccaca ttgaaaaaat atataatttt 300
tcataactgt tttttcttta aaaaaaaaaa aaactaattt cttcttggtc cctgaggcac 360
ataggaataa ggcgacgcat aaaatttcaa ccatcgaaga ttgatagaaa ctactttcca 420
ttgggcāaag ttttgtcctt aaaacactta taatttttct tttttgaggg atgtgtttct 480
ttttttttt 489

<210> 2723

<211> 202

<212> DNA

<213> Glycine max

<400> 2723

ctagagtttt tccttttgtt aaggcttcgc gacttttgtt gttgaatata taatacaagg 60
atctttcttc atttgttcct acgtctctac ccattctcat tcatttgc at gtatacttct 120
ttttctgaaa cggcagatcc gatgacgagt cccccgaagg tactaataacc tgggacccgc 180
ctatcgactt cgagcaagaa at 202

<210> 2724

<211> 512

<212> DNA

<213> Glycine max

<400> 2724

agctttcacg atatccaagc aattcaattc caactatcat gaactaccct caaccaagaa 60
aacagagtag aggcagcaaa atctgcccc aacacattca catattacag cttttcttac 120
tcaaataccc cagtaacact ctcttcgttc cgatttggtg accggtggat cgacttgaaa 180
atgttactgg aggttcctag tacataagtc tacatatttg ccggtgggat ctgctagaaa 240
gtgtcāaaaa cccaatatgt actacctttc ccataaccag caatgcacaa gaattttctg 300

cacatgttga gcaattctgc tggacaaatt taacagcttt ttgctgcaca aattgggaga 360
 attcgaaatt catcctaccc accatccatt ttgctcaaaa tggaacctac aagtcctaaa 420
 tcatgtataa atcatattta aacccaaaaac aagcttcaaa ccaaggaaat tcaaaatcta 480
 cggatctaaa acccataatt gaggggaattt tc 512

<210> 2725
 <211> 1151
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2725

agacatattc gcaactggaca gtaagtcgga agaaatctgc attcacatcg aggatcgatn 60
 cgtgtcacgc atagaaatgg aatgatctgc cttaatantc accccccccg acaggggggtt 120
 gatagcttga atacactaga aacnategaa tacacatgcc aggaggtact gatggcgatg 180
 aaaagaataa taatagagaa gattaatggg ctaactcttt gaagaataag ggaacgtgaa 240
 gtcaggtaca actaattgca tgttgagtgt gcaccagact aactgtggaa tgacagaagg 300
 tgaactaata gcgaaaagaa aacgcagaag aagggtgaag cgataataat gtgaagagtt 360
 taagggcgaa actaattcac agttgcgctt ctggnnnnnn gagagaaagg gagaagaaga 420
 aggagaaaga agaagaaagg aagagagagg gaaaggaagt agagaaaaag agaaatgaga 480
 gaagaggaag aagnaanaagg agaaggagaa gaggaagaaa agaagaagtg gagtgaaggg 540
 aggaagatag agaggggaaag agagaaggaa gaaaatgaga ataagagatg tagtgaagaa 600
 gataaatgat aagagtgaaa gtgaatgtgt gtgatgagtg agaaaagtta tataggttgt 660
 gaagagtaga gatatgggtg agatgtgtgt gaggatagga agaggtgtta gagagtagtg 720
 atagagaaga aggataaatg agataggata aagtgaagat gaaggagaag tagaaattaa 780
 tagtttatag attagaagtg tatatatgat gatatttaga ataggtagag ggatgagtag 840
 taatggagaa tgtgaaagaa gattaagggt tgaaatgaga gaaggaagag tgaaagagaa 900
 ggaagagaga ggagtttagta aagtgagaag tatagtggga agataagagt gaatgggtag 960
 aaaaggaggt tgaaaggaga taatatagag gtattgagtg tgatatgtaa tagaaangag 1020
 cagatggtga ggatgaggtg tagagggatg aagtacatgt gaatntaggg gagatgtgaa 1080

aaaggaagat attgtgaaga gtagtgttat aaaagttaat gtgagatgag atgagttgag 1140
tagaagagtg g 1151

<210> 2726
<211> 517
<212> DNA
<213> Glycine max

<400> 2726

agcttattgg attatggggc acccgtcata tgtggtacta ggaggcgatc gggcgatgac 60
acaaatcaac tatcccatTTT ccaaaagcca ggcagaagct ttcacaatat ccaaacaatt 120
caattccatt tggcatgaaa ctaccttaaa caaagaaaaa cagagtggag gcataaatct 180
ttgcacaaga ttcattcaaa ttccatagag tttttcctac cctcatacct tagcaaaatc 240
ctcttcgttc cgattcgcta acctttggat ctcttgaaa aattaactgg gggttcctaa 300
tacagaaatc taaattttga ccattgggat ctgctaaaga acatacaaaa cacgaaatat 360
actacccttt cccgtgacag cagaaactag cactgcacaa ccattttttt tctgcataat 420
tgggcagaat ttgctgcaca atttgacagc cttgctgcat aattttggca aatttttaaa 480
ataagctcac atacatccaa ttccactcaa attggat 517

<210> 2727
<211> 201
<212> DNA
<213> Glycine max

<400> 2727

tgcatcagct ccatccatcc atcttatctc tccccttttt tatatatattg attttaagtg 60
gctgcgaaga aattgaaagc cttaatgttc attcaaaatc tctcaatgta ctgagactca 120
gaggatggtc atctctcaag gaattttcag tgacatcaga ggaaatgaca catttggact 180
tatctcagac tgctatacgt g 201

<210> 2728
<211> 383
<212> DNA
<213> Glycine max

<400> 2728

agcttcatga tgattaacca agcaattttg atgatgccta aagcccaagt gattgattca 60
agacttcaag atcaagcttc aacaattcaa tccaagattt aagattcaag agaagaaatc 120
aagaagcaac aagtcaagac ttcatatatg ataagtatta aaagattttt caaaaaccaa 180
atatcacagt ttttgtttta caaaagaatt ttctcaaatt ttctaagtta ccagagtgat 240
tactctttgg taatccatta ccagttggca agaatcgatt accaaggacc tatttggttt 300
tcaaaatatt ttttaagtgg ttgcaatggt cccaaatgat tttcaaaata ggtaatcgat 360
taccctatat ttagaattga tta 383

<210> 2729
<211> 199
<212> DNA
<213> Glycine max

<400> 2729

ttccgcaaga cttacgaaa gatcttagag tgcaccttat cattagtatt catataagtc 60
attgcatgac tcaccaata ctacgaccag cctttgagat gcttcacatt cggagacttt 120
caattagtag caaccattga aaaatttgag gaaattctaa gatgtcctct cgaggggaagg 180
aaaccatata ttttctccg 199

<210> 2730
<211> 477
<212> DNA
<213> Glycine max

<400> 2730

agcttgtcca aggaaccctc atcttgggtca ttgtccaaag cactgagtgt ggacaaattt 60
tcttatcaag aatttgatga ggatgaggaa ctggccttca tcttaagaaa gatttgaaag 120
atgtggaaga acaagagtgg gttaagaccg aactcctcca aaaaggtgtt caaagagaat 180
aaaaacacgg aaaagagctt cataatatga tatgagtgtg agaagcttgt acacttcaaa 240
tcaaaatgcc taaaactaga gaagtccaag gacaagtaca agcattacca gtccaaaagt 300
ctcatgagca gttgggagga catggacaac acccccttta atgaaaaagt agaaggggaa 360
gccaacctat gtctgatgga tgatacaact ttctgaagag tcagactcag aacaagagaa 420
aggagattt tgatgaccct aaatcattaa gacaaaccta tcataaacta ctttcaa 477

<210> 2731
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 2731

tccccgtggc ttctttgaga agctagatcc ttatctaccc ataccctttt attaactaaa 60
 ttaacctcct tgaaaataat tacggataaa aataacacaa caaataatca aacatcaaac 120
 ataattacta ataatatata tatatatata tatatatata tatatcaggg tgttacactc 180
 aacattctct gtctttatgt tt 202

<210> 2732
 <211> 522
 <212> DNA
 <213> Glycine max

<400> 2732

agctttgatg atatgggctc caccgacgaa atgatcaaag tgagtctaaa aagaggcaaa 60
 tttgatcatc atactttgat aaatggcaaa aaaaactaag gcaagtgaag aagatgagaa 120
 ggaggggaaaa acctatgctg ttactgccat ttttatacga ccaagtttca caccaaccca 180
 acaatgtcat tacttcagcc ataacgaccc ttctcattac ctaccacca gtcattccaca 240
 aaggccatcc ctaaaatcaa ccacaaagcc tacctaccgc acttccaatg acaaacacca 300
 ccttttagcat aaaccaaacc acccaccagc aaatgaattt ttgcagtga aagcctgta 360
 aaaatcacc ccaattccag tgctctatc taaacttgct cccatatcta cttgataatt 420
 caatgggagc cattaccca gccaaaggta ttaaccttca tttttccaga ataccattca 480
 aacgcacgtg tgcttgtagc gaaaaaccct ggggcgttcc at 522

<210> 2733
 <211> 1060
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2733

agcaccgggg gtttganncc catgagacgc cacgncatg ctacgccgac acatatagac 60
 atcgctcaag tctttatcta gcacggcgtc tacggaggac gaagggccat agttggctgc 120

tcatgtatcg aaggatgaat gtgtcccgag taacgattaa gacttttgtgt actgaactat 180
 cgaccctcac ctgatcttct catgctgtgg caaatcagtg cgagatggag cgaacgacca 240
 ctgcgcatg tacagcaacg tagcattaat gtagcatcct ttacgcggtg ttaaacaatgc 300
 tctattgctc gggcactgag gccccgnnnn nnnnnncnann nttnnctnnt ntnnagttga 360
 gattcaattc cagtatatta taaaatgttg ttctgaatat tattattggt gttgtaggtt 420
 atattatctc ctttatgttt tctttctcgt ttgtttcttc ttttttaata cttacttggt 480
 tttcgttatg agtttacatt gttgagtga tagcttttat gcttgatctc aattacaatt 540
 agtgggtctta tttacgtatt gtttcattaa ttaatgtccg acaattctag tctggagtgt 600
 gatggaatct tcttatattc gtttatgttg tctgattgaa ttcggtatta ttaatagtta 660
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 tttagagggt agtgattatt cgggatttat ttgtctctta ttgttttgg cttttattat 780
 catctcctat atttaactat cacgtatttt atcgctgttc gaattcttta ggagtgctgt 840
 atcgattggt agattctcat ctttatgaat atctagtga cgaatcgact tatgttggtta 900
 gaattatcat gttcgaaach ccgaactctc ttctgttcat ccttgtttat gatacttatt 960
 ctantcgtat gcnacgtatt gcaactgatt cttagtgtgt gttatatgtc cgacgtcata 1020
 ctagtcgaca gtgccgctat aatncattcg tatgtcaatn 1060

<210> 2734
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 2734

agcttatgca cggaaaatgt aattatgaaa ttgtgacgcc ccaagaaaca ccatttccta 60
 gttaaccatg cattaagcac catgctcaaa ttattttggt attaatgaa acgggtttat 120
 gatcccaaca tggttggctc ctaacacatg aaactaagaa tgtagcgga agttccacac 180
 ttccccctct ttgtttcttg ttctgtacac gaaaacgcaa ggatgagcca acatgataac 240
 aaatgggtatg caattttgca gatcaaaaag attgttgaac gcatatgcat gatgatgcca 300
 tgacttatg 309

<210> 2735
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 2735

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 atgcgcctta atcggacctc cgagtgaaaa gttatgacca tttgaataac tcaagagctt 120
 ccattgttca atttcgagcg tctcgatatc ttatgtgcct gaatctgacc tccgagtga 180
 aagttatgac catttgaatt t 201

<210> 2736
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 2736

agcttctccc ctattttgct ataaataggg gaagaagtga agaagaaaag ggttcagccc 60
 cttaggcact tctctctctc tctcgaattt gctgaggaaa attattttcg tgaagaaaat 120
 ccaagccgag gcgcttccgt aatgtttccg taacgtttcc gtgagtaatt acgcgaagat 180
 tctcgaccgt tcttcaagat tcacgttccg ttcttcgttt tcttcaatct tcaacgggta 240
 agtacctcac accaagcttt tcaattcatt ctatgtaccc gtggtgggtcc acattttggt 300
 gcatgtattt ttattcttgt ttttgtctac tttttatacc cctttttgac gtgcttaagc 360
 cgtttattta aggcatttct cgcttaatct aaaaataaaa taaatttcca ccgaacattt 420
 gaatcgatc atccgctaatt tttgggttaaa atga 454

<210> 2737
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 2737

ataaaattta cacataaaga gtagaaccaa gagtctcatc attcttttct tattcactca 60
 actttactgg ctttcttttt ctttttcgat tttttttttt gctctgtagc cttttgagaa 120
 acagcatcat attcagcatg tccaacattt aaccaatatg caatgtatat caagtatggc 180
 tcaaaatata tcatgaagca tggccaacaa aacatgttat ccaatgaaac aaaaaccccc 240

acacttattc ctaaaacaat tccaaagctc caaaattcct taaggatatg gtgatatcat 300
 gggtttttcac ttaaggcttg tagtgagctt caaaacaagg aaagggaaac aagggtcaaa 360
 agggctatca aaggaattaa gtcaaggtaa gtccatttgg ctagaagctt ataagaacaa 420
 aattgcctca atcgtattca aatatg 446

<210> 2738
 <211> 537
 <212> DNA
 <213> Glycine max

<400> 2738

tagctggaaa acgaattgaa atacttgact taagcacaca atacaaagaa tagtttgcac 60
 tataatcaga aggtacggtc aaaagagtat tctttatgaa atattttttt ttatgagtca 120
 ttgaactata gagtatcacc atcgctaaga acaagaatct caaacaacca tactatctat 180
 gcaattaagg caaaacacca tactactaac atacccaaaa ttataagggtt cttataataa 240
 gtatacaacg tacatataag aagtaagaat ttaatagcta atacggatgt attaaaaaaaa 300
 ttacaaactt caactactac attcatgact acacacaaaa taaagtgagt taagtagtca 360
 tgcgtttaca catcaagaaa gacatactca tccaagacat atatatgggtt caaaagggtt 420
 ttacaacact aatccacaca tcaagataga aataagttta ttaaccacat acaccgcaga 480
 agataagggc tcattaagca ttatccaccc atatcaaggc tttttgcac acttaac 537

<210> 2739
 <211> 583
 <212> DNA
 <213> Glycine max

<400> 2739

tcacttcaat tggtgcatgc taatatctgg ggaccatcaa gtacccttag ctttggtgga 60
 agaagatatt tttccctctt cgttgatgac tacacctgaa tgatgtgggt gtacttcac 120
 caacaaaaat ctgatgcatt ctctagcttc aaggagtaca aggccttagt ggaaaagcaa 180
 agtgggcatt ccctcaaaat cttgagaaca aatcgtgggg gagaattcaa tgggcacata 240
 ttcacaaatt tttgcaatga tcatggcatc aagaaggagc tgactgttcg tcacactcca 300
 caacagaatg gtgtcgctga aaggaaaaat agaaccattg tggaaatggc ttgattgatg 360

ctacaacaca agaacctgcc aaagaatcta tgggcgaaag ctgttagcat agcagtatac 420
 attctcaacc gttctccaac taaagaaatc ttaaatttga cgccatatga agcatgggttc 480
 aacagaaaac caacagttga tctttttaaa gttttgggat gtgttgctta ttcgcacttc 540
 ccaaggagaa ccgattaaag ctttttgaaa aaggagaaaa atg 583

<210> 2740
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 2740

agcttagagc caattcaaac gacaataact ttttactcag atgtctgatt gaggcccgtc 60
 atatatcgag acgctcgaac ttgaatgttg aagctctgag ccaattcaaa cgaccataac 120
 tttttactcg gatgtctgat tgagtccgc catatatcga gagctcaaa attgaatgtt 180
 gaagctcaga gccaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
 tcatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca aacgacaata 300
 actttttact cggatgtctg attgagtcct cgaatatatc gagacgctcg aaattgaatg 360
 ttgaagctct gaaccaattc aaacgacaat aactttttac tcggatgtct gattgagccc 420
 cgtcatatat cgagacgctc gaaattggaa 450

<210> 2741
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 2741

tcaacattca attttgagcg tctcggtata ttacgggact ctatcagaca ttcgagttag 60
 gagttattga cgatecggatt ggctcaaaga ctcaacattc aatgtccagc gtatcgatgt 120
 gttactggac tcaatcacac atccgagtaa gaagttattg tcgatcgaat ttgctcataa 180
 cttcaacatt caatttcgag cgctcgcctc tattacgggc ctcagtcaga catccgagta 240
 aaaagttatt gtcgatcgaa ctgggtcaaa gcttaaacad tcaatttcga gcgtctcgat 300
 ctatcacgag tgtctttcgc acatccgagg ccagaggaat tgtccccaga attggcgtac 360
 atgctgacat tcaac 375

<210> 2742
 <211> 446
 <212> DNA
 <213> Glycine max

 <400> 2742

 agcttggaga ggatgcttca atggaggaaa agaaagaggg agagaaagag ataggggaag 60
 cacgaaattg aaggaataaa agaggagag aagtggaact ttgaagtatg tctcacaata 120
 ctctcattca tcaaaggtag aacaagggtt ggtacacatg cttctattta tagactaagt 180
 agcttccttg agaagatttc ttgagaaaac ttccttgaga agcttatttg aaaaaacttt 240
 cttgagaagc tagagcttag ctacaaagac ccctttcata acaaagctca cctccttgag 300
 aagcttcctt aagaagattc ctaaagaaac tagagcttag cgacacacac ctctctaata 360
 gctaagctca ctttcttgag atgagaagct agagcttagc tacacacccc ctataatagc 420
 taagctcacc cccatgacaa aaaaca 446

<210> 2743
 <211> 145
 <212> DNA
 <213> Glycine max

 <400> 2743

 tgcactatca cacatgtgat cattagcaac atttagtaaa aagttcctaa gatcttttga 60
 caacatttaa aaaatgttgc caaatatgaa taaatgttac taatatgttt ttgcagcaga 120
 tgcgtaaacc cttgctgtga ctgcc 145

<210> 2744
 <211> 571
 <212> DNA
 <213> Glycine max

 <400> 2744

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 tgtgaaaaat ggagcctcag actgcaaggg taaactccat gctccttcta aggattcacg 120
 ctgtttcata cccaccaagc ttaatgaggg aaccaaactg aagggtgaagt ccaaggataa 180
 aatgaagggt gcgctcagag cttaaccatt tgcttatgct cctgaaaagc catatgattg 240

cgaaaagtcc aatcccaagc ctttcctac ttcttatgac aaaccatatt attagaactc 300
taccacccc cctttaccct taccgcacc acaccctcct tactactata agtcaccacc 360
tccaccacca tcaacatact attacaaatc tcctccccc ccttcttatt actacaagag 420
cccttcttca ccatcaccat caccttctcc atattactat aaatctcccc cgccaccatc 480
accatcacca cctttaccct actactatta aatctccct cctcccccaca aagatccata 540
ccatcctcct tactactaca aggcaccctc c 571

<210> 2745
<211> 357
<212> DNA
<213> Glycine max

<400> 2745

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gcacatatat tgaattgtac taatatggcg tacttcacat acgctgaaat agcagccaat 120
cttggggcgt aatcaatcaa tggttgttct acactctata accgatctag tgtcactaga 180
acttgctcac tgcttaatga actaagatcc ggctccatcg ccaaaccatcc tatccaaaca 240
actcagctta caaagagaat gactgtcatt cagtgaacat gcatgtatac caaaaactaa 300
ccattactaa ctatccagag cttcttatac agggatcgag cggagttctt aatcggc 357

<210> 2746
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2746

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ttttgtagtt agttaattga gacttatggg tgtatatcaa tgtttatact tactattttg 120
attaggttag tgcgtgtata ctacctaagg ttattggctg agaccgtacc cgaatcaaat 180
aaacattaaa aatacagtat ctaggaagtg atcctaggtc atttcccaac gagcaatgat 240
caaccaaaca ttcataacag ataatagtga aacagtaacg aattgggggg gg 292

<210> 2747

<211> 586
 <212> DNA
 <213> Glycine max

<400> 2747

tgatgatgtt attaaaggct ttgcactacc tctggcagta acagtgacaa agatgatcat 60
 aagtacgttt acaacttgac atcaaatttt acttgagatt ttataatttc tgatacttgg 120
 ttcacttggga cataacagtg gggagcaatt gatggaagat gaatctcaaa ttgatctaag 180
 gagaaggaag aaacttgttc ttgatggtga tttggaaaga caaatcaaag atctccatga 240
 gaagtaggtt tgaccagatc aaacttttgt ctgaactttg gagcatgatt taaattagag 300
 ccttgtcaaa aagaaattca gtctttttta tttcattttg tttacatcat tggtaaaaac 360
 attcttaaaa ggagtgaaga agatagatca attcatagct tttcaatatt ttgttgaata 420
 tcattatttg tactgtattt caattcatag cttttcttgt actaatttaa cccgagttaa 480
 ataaattcca aaaattaaaa aaaaaatctc catattctac atcggttcaa ttataaacga 540
 tgtagaacat atcctcattc tacatcggtt aggcaataaa cgatgt 586

<210> 2748
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 2748

agcttgccac tggagctgac ccatcaactg ccctaactct tttagatagg cgacccctca 60
 gctcttgacc ttgacttgat agaacctctt ttttaagcgaa ggcatttgac ttgaacccat 120
 gttttactaa agtgaacaaa aaatggggcg aatcaaaaact ccgacatcta tcatgggagg 180
 aatggatgaa tgcataaaga aatgcatatg acacagatgc aatttatgaa tacggggagct 240
 cgggaaattg tctccttctt aaatacaacg tcttggggta gtaaagtgcc caacgtatgt 300
 atttaagaag gtgacacaga ccctccggtg gtttggttaa gagaggggat caagacagaa 360
 cccgtgcgtg atgcatatgc gaaaggcaca acaca 395

<210> 2749
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 2749

tacaataccc acgctttacc atatgtttat gtaagtcgca atcaaagtga ttatccatgc 60
tgcattgaat atagctgact gatggattac atatcactta atgctcccca gtcttacttt 120
ctccgtgagg ctgctgctat tcttccttgc tatcttatgg cctggatgat ccgcataata 180
cagcatcaaa ggcaaagaca agttactacc ctgtgcttat tctaattattg aagtatttgt 240
attgctttca tttcattttt tcttttttca tattttgatt aatcatatga tgccgtttgg 300
tacgccactt aagatgataa gatttaagtg aaagtaacca taggaatgcc aacaacatat 360
ggtgcacatg gcgtggtctc tactaaaaac cttgaaagtt gatagtgatt gcggattaag 420
attttagaga tgggaaatgc ttttgt 446

<210> 2750

<211> 420

<212> DNA

<213> Glycine max

<400> 2750

agcttgccac ccagctcgcc caggcgagct catctcgccc aagcgagcaa ggttgcttcc 60
tccagaagca acagccttct ggaggaatct tctggagggc ccaagtgggc ctggttgcta 120
tttgcacccc catttttact aagtaccccc cccctgcatt ttttttgga attctttttt 180
cgtaaagtta cggaaactta cgaatttcgt aacgatactt gttttctttc cgtaatgtta 240
cggaaccttg tggattacat aatcatcccc tttttgactt acggaatggt acggaacctc 300
actaatcgtg caacgatgct tccatttgat ttctgggggtg tcacggaacc ttacggattg 360
cgcatcaatt tttcttttct tttttggcat gtcccgaat ttcacaaatt gcctaataat 420

<210> 2751

<211> 588

<212> DNA

<213> Glycine max

<400> 2751

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gaataattgg gctttgtttt gtgtaattag ttagattaga tgggcctaata caaggcccat 120
acatcacttc taatttatca ctctatatat tagtgttttt tagttagtta gttacttcat 180

attgtaaaaa acaaaattag ttacttattg tgcaagcttc cttttttctc tcctttttctc 240
tcaattgttc ttcatcttc ttcatctctt cacttccgct cttccatttt cttgcacaaa 300
atctcatgtc ttttcattgg tgatgatcat ggagggctaa acaattaatc aatccaagga 360
tccactccaa gcaaggctga attttgagtt ctgggttagt atctttactc tttgtgaatg 420
ttcatctttc tttcaatcc tattttcatt tttcattatt gtgattatgt ttaggattga 480
aatgaatta agttatggat tcatttccta attcagaatt taatcacaga ttgtttggat 540
gatgttccat ttgattgaac tttttctaata gcatcttgact gaactttc 588

<210> 2752
<211> 522
<212> DNA
<213> Glycine max

<400> 2752

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tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120
tctgtccttt cttcacgccg catcccctgc cttgcgaact ccttgagta ccctcgcggtt 180
gtggtcactg aaacctcgtg cgatgaaagg cgtgatgctt tcgtctgatg gcaactccttt 240
catgggacat ccttcgcatg aagatagaat cctgattctt ccttccttct aacgagggaa 300
ccatttaaca gacgcccctc catgctagcc aagagttggg gcacaacaaa caattcttgc 360
gccgtccttt ttacatcccc ggtcgaacgt gtcatacatg gccaaaatgg cgacgaccgg 420
gcttttcttg ccatgatgaa aggcgaggaa agcgtcaatc gctgctatgt ccactaacc 480
tttcatattc ggaaagaaga caactccaaa gatcataagc gc 522

<210> 2753
<211> 576
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2753

ttgcagatctt ggtcttcgcc agcgaaagga tcaatgtggg tccgaaaaga ggcaaatttg 60
atcatcctac taggacgact gagaaaactg gggcaaataa agagggtgag gatgagggag 120
aaacccatgc tgtgactgcc attcctgtac gaccaagttt cccaccaacc caacaatctc 180

tttactcatt caataaactt tctccttacc caccaccag ttatccacaa aggccatccc 240
 taaatcaacc acaaagtctg tctaccgcac ttccaatgac gaagaccacc tttagcacia 300
 accannnaaa aaaaaaaaaa aaaaacctcc aacaagaagt gaattttgca gcgagaaagc 360
 ctgtagaatt caccccaatt ccagtgtcct atgctgactt gctcccatat ctacttgata 420
 attcaatggg aaccataacc ctagccaagg ttcatacaacc tccattttct cgagaatacg 480
 actcaaagc aacgtgtgct tatcgtggag gagccctacg gcattccatt gaacattgta 540
 tgaccccgaa gcataaagtg tgaagtctaa ttgata 576

<210> 2754
 <211> 509
 <212> DNA
 <213> Glycine max

<400> 2754
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 gtgattggta cctctcccct ctcttgagct taagctcgct gttactgcc cacagagccc 120
 ctcagaattt tttgcggcgg tgttcttccc tacgagccct tttggtctct tgttccaagg 180
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 ctgttgcttt gaacctttct ttgactgttt gggcttgctc gacttttgcc ctaagggcct 300
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 cgaaccaaac cacacctttc tttggggctt ccaaccctt tgagatccac tcgaggaccc 420
 cttgttgctt cctaaactcc tctcgcctcc tttaggctac ccccccagct tgccatacgt 480
 tctccttact ccccccttg tacccecca 509

<210> 2755
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 2755
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 tttcatcatt gggggtgcca cctgtgctgc cagggtctc caccattggg cgtatgattt 120
 gcaagattca tgcccccttt tgcacatggt ctgtagttgc atcctacgg gagccatatt 180

ccaatgatac tgatactgcc taacaaaggc aaccattagg tccttccaaa aatggactcg 240
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 atgcctcagc agatcctggg cttttgcgta gtcccccac ttctaaaaat acatctttat 360
 atggttcttg gggaaaggag tccccttggg cttgtctaag tccgacacct tgaacttggg 420
 aatgaccatg tttgtgtgct acgaacaact cttctatggt agtaa 465

<210> 2756
 <211> 508
 <212> DNA
 <213> Glycine max

<400> 2756

agcttgaaga ggatgcttta atggaggaaa aaaaagagag aaggggggag cacgaaattg 60
 aaggaataaa agaggggaaag aagtggaact ttgaagtgt ttcataaga ctttcattca 120
 tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtcgc ttccttgaga 180
 agctttctta agaaaacttc cttgagaagc tttcttaaga aaacttcctt gagaagcttt 240
 cttaagaaaa cttccttgag aagtttcttt gagaagctag agcttagcta cacacccta 300
 taatggctaa gtcaccccc atgacaaaaa aacatgaaaa taaaaaaca atcctactac 360
 aaagactact caaatgccc tgaaatacaa ggctaaaacc ctatactact agaatggcca 420
 aaatacaagg cccaaaataa gaaaacaacc tattttacta tttacaaaga agagtggacc 480
 caaccttggc ccatgcgctc aaaaatct 508

<210> 2757
 <211> 658
 <212> DNA
 <213> Glycine max

<400> 2757

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 tcacaaaagt ggggaaaatt tgacctctga aacgctaaaa tctgcctcg gtttgcgtgc 180
 cgtttctctg gttccagttt ctgcggtttc tctgcgtccg tcggggccag ttttcgaaag 240
 taagcaatat atatatcaaa acgctcacia taaaaccccg agcgtgggtc agaggttggg 300

ttcgttaa at tetaagtcgc acgcaaaacg atgattttta actaattaat taagaattaa 360
cccataacct cccagttatg gattttctctc ccttaattag tccagcccgc atatcttgcc 420
cccactattc ctattttctac caagaacata tctatacata tacacggaac aatacttata 480
tatatatata taatcattca aaatacatcg ttcccgtaaa ctccgggtag aaatttccag 540
gatgttacac actgcgcccc caaatgcgca agtaaggaga gaagattttc aagctctcgt 600
gtccgtaaat gcattcatat catgcattgc ataagcattt ctttatggca tcataatg 658

<210> 2758
<211> 463
<212> DNA
<213> Glycine max

<400> 2758

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tctctccctc cctcactcgt cttcttctct ctctccttcc ccaccatcag cgtctgtctc 180
taacatccaa tgtaaattgc tagctaattg ctcttgcata ataaatacat ataataatc 240
caagggttca ttcattttta aattgagtaa aattaattta attaatacatt aaatgtaggt 300
tgaaaccaat aaatgcatat atttttaaga gaattataaa atttcttaca gcaaatttta 360
taatattttc ttgttgagc acattattca tgttatttta aaattaacaa accaacatta 420
tcgttaaaaa aaaaactcca gattgatctc attttctcat aat 463

<210> 2759
<211> 690
<212> DNA
<213> Glycine max

<400> 2759

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tgggactaaa ttgtagatgc atccttcttc ttaacatatt ttgatgtaaa tgaaataata 120
tcaagtgaca aatgtttgaa catagctata ctagagtgtt ggattatgta agtaaattcc 180
atatcattga ctaataatta atattcttta tgatatacat gattaccaat tttcatttga 240
aatgttcaaaa ataggtttat gcatgagtgg agttcaagct taggtcatgg ttcgggtgat 300

ggattccttg agcttcagtt catacacaat gcaaaggata gacatgttga atgtcaacat 360
 tacgttgaaa catgggtgaa ggattcccaa cgagaggtct acctacgagc ttacttgaat 420
 caataagtaa gatttatgaa attcctgtaa agaataattg cattatacgt acctaattat 480
 tatcgaattc aaggccatt ggcagttggt tgttctatgt cttacgaaca atgttgctgt 540
 ctgggtttgt tcgttgaata agaagcttga tattcatatc aaagctgcaa ttaacaagtt 600
 aaagttttgt attataacct aattaatcta acctaaactg gatagaaaaa ttgtgttttc 660
 ttcgattata ccttggtgtt tttttcctac 690

<210> 2760
 <211> 743
 <212> DNA
 <213> Glycine max

<400> 2760
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 ctccagtggc tcgcctcaat tccaactttt tgcccactga acctccttga gaaactattt 180
 gtattaacaa gttcttttat aacctttcct attaaagcct tcctgagaaa ctttcttaaa 240
 acatctgcct tgaacagctt tttcgtaacc taaaacctac atcctcacc cctaataagg 300
 tgaaatcacc cccttggtac ttacctgata gtgcagaacc actccttttc cctcaacttc 360
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 gccccacttt taaatccaac cttttctttt ttttctcaca aaaaagggtc cctcctttg 480
 cctcgcggtt ccaacaccta cccttcogtt tcgtgaacac acaacgggtt tcttttaaca 540
 ttctccccct cctcttgagg cccctcggtt ctgcccctgg aacggccctt tctccgggag 600
 cctccctttt ttcttacctc tcctattctc gcagagcctc ctttctactc cctcatctca 660
 ctcttccttc tctcgccctg actcctctcc tccaactgca ctccccact ctagcctctc 720
 cgccactctc cgtcccccttc tcc 743

<210> 2761
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 2761

cggttcgagg tacttaccg ttgaagatcg aagaacgatg aataacgaat gaagaacgtc 60
gaagaacggt tgaaaccttt gcgagattcc tcacggaaaa cgttacggaa atgtttcggg 120
agcgctcgg cttagatttt cttcacggaa acaatttttc caagcaaatt cgaaagagag 180
agaagtgcct aaggggctga gatcctttcc ttcttcactt cctcccctat ttatagcaaa 240
ataggggagg tggttgtctg ccattttata taaaagagct cgtaatgaac ccccgaaagt 300
ggttcatacg ttggtttgca ttgcttctaa tgcgccgcc caacgatgat tttt 354

<210> 2762

<211> 216

<212> DNA

<213> Glycine max

<400> 2762

agcttctgtt ttcaattctg agaatctcga tatatttcgg gattcattag gacatccggg 60
taaaaagtta ttgtcgtttg aatttgctca cagcttctaa ttttaatttt gagcgtctcg 120
atatattacg ggacttaatt ggacgtccca gtgaaaagct attggggggt ggataagcta 180
ccaactttcc tcttgaattc ccagcattcc gttttc 216

<210> 2763

<211> 367

<212> DNA

<213> Glycine max

<400> 2763

ctaagctctt actcggatgt ccgattgagt cccgtagata tatcgagatg ctttttttga 60
aaatagtagc tcctagcaaa ttcgaaccat aataactttt tactcggatg tccgattgtg 120
ccccgtagta tatcgtgacg ctcgaaattg aaaacataag gtctgagcaa attcaaactg 180
caataacttt gtactcagat gtccaattga gtcccgtaat atatcgagat gctccaaatt 240
gaaaatagta ggttcttgca aattcaaacc ataataactt ttactcggg tgtctgattg 300
agtcccgtag tatatcgaga cgctcgaaat ggaaaaatga ggctctgagc aaattcaagc 360
gacttta 367

<210> 2764
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 2764

agcttaagag attacaattc aatcaattgg atgtgtgtat tgttgatcc cctaaataaa 60
 ttcattagtt catacaaagt ttaatgcac cgttatcata aaaaacaaag attttgaggg 120
 accttgcat gttcaatgtc ttaagttcta acaatgtcgt cgtagagcta aacaacagt 180
 agaaccacac ctttgacat gaatgaagt gcaacaacaa ttgttgacag cattgcaacg 240
 aagttatgga tctgatttgt tatctagttt tttatctgct atgtgttttt ggatctgaga 300
 ttttttggtg gtgccggctt tcttgatcta tcattttt 338

<210> 2765
 <211> 644
 <212> DNA
 <213> Glycine max

<400> 2765

tatcaatgca aggaattaac acaagacttg agactagaat tgaaaaattt tacactcata 60
 aaaactaaat taatattgaa gtctttatga aaatttaaaa cattctcatt taaccttaat 120
 ttttattaaa ataaagtcta tcgaatgaaa ttttttttat cctactatt tttttctagt 180
 tcctttctcg tttcaaacta tatattatga tagttttaat tattggattt ttaaattttg 240
 taggtgtgat tgttgaactt atgtgttata ttgcaaattt taaatcatat tgaactttag 300
 cctatgtgat aatgataata ataatacaat tcttctgat ttttgctttc actcaaacta 360
 aattttgatt ggattgaatt acagatttta tcaaattcaa cccagatacc cacctatatg 420
 attgatgaat gttgacaaga tgggtctaac tatttttaaat atgtaatgaa tattagtccc 480
 tcttttactt gagggtctaa gtccggatca gaggaaaatg attacatatg accctggatg 540
 tcagtatcta gatataattaa caaattatat aaaacagcag gacataattt ccattaaaaa 600
 atatatgttt tattaaatta agcagatacc atagctttta ccca 644

<210> 2766
 <211> 546
 <212> DNA
 <213> Glycine max

<400> 2766

agcttctaata actttgtgct gcaattgcaa cactgccaca attgctttct cttctgcaga 60
tagagaataa gtgagaggag gtgctttgat gtcattaag gaaggccatc ctgaagctgt 120
tgaagagacg ccagctttgg gaaaatcttt atcattattc attacaccct atagtcctat 180
accacgactg actactttta gttactctgc cttcaacttc agttaatttg tgcagtcaac 240
tggacaataa aattccaaag tctgataaaa gaaacaagac cagatatctc acactctata 300
actctgtttt caaccatcct gcacagaatg ccaatcaatt attataaaaa aaacacacag 360
aaattggaat tgattatgca aaagaattaa atcacaaaga agtttctgga attaccactg 420
gtttccaaat tgtcaagagc tgtaatggta ttggaacttg tttcataaaa gctttgggtc 480
aaaacaaact gcatatacat gtataattat gattattaat ttcaaatttt tccacgcaag 540
agattt 546

<210> 2767

<211> 470

<212> DNA

<213> Glycine max

<400> 2767

tgacaggttt aggtgcaggt gctgctactg gtggaggcac ttgaatttgg ttgccagacc 60
tcaaggatgat ggcaactcaca tttttcggat tctgcacagt ctgtgaagga aatttgtcaa 120
aattttggga ctgagcttgg ttcaactgag tagccatctg cccatctgat ttgtcagact 180
ctgaatggag gctcttggct cttgctgaaa ttgcatattc tggaagggtca ttttccttac 240
taactcctct aaagaagggtt gaggaggagc ctcagttgct tgttgtcttt gttgtgaccg 300
gtgttgttgc tgctactgta ttggaggggg aacatatggc ttgctttgac cccaccatt 360
ttaaaaaaga gggacacatt gttgttgttg tggaagacat ttccctctca aatttggatg 420
attccttcaa cctggattgg atctatttct tgaaaggcca taattattct 470

<210> 2768

<211> 474

<212> DNA

<213> Glycine max

<400> 2768

cgcttatgcg catatttctt tacaaacggt ctctcgaaaa aaatgcaccc atatacaatc 60
aaggcagctt cgttacctag attattttaca cgtacttcca aggtgtatgt gttacttaca 120
tcacacacat ctcttgggt aaattcacat accatgcata cccaaagcat tttgggggtac 180
caaaaattgc acatgtgcac atcttgggtat ctctaatacc tatacatata caaacttcat 240
gatgaatctt gactatctac acaataaggg gctacatttc atgctctttt caagtttttg 300
ctacctaaag ccgcatgcaa attcaagtat attttccttt gctgactaaa attgtattca 360
aattaaagg tatacatttt ttggtaatgt atcttcttta cataacatgc aacatattta 420
tgtatatattt tttgcgagac atcttgacta ccaaaaacta tatgtacata catc 474

<210> 2769
<211> 561
<212> DNA
<213> Glycine max
<400> 2769

tgtagaatgg ctagacatga tacatgtcag ggcttgggtt ggttcaagga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaaatgatg atttggaaat tttatgcaaa 120
actggtcatg catgcgccta tgcaaacgct caagtgtcaa atttttatgg tcatgtgatg 180
ctagggtca ggattcattt cctctatttt aaatcaaccc aatgtttcca aaatatgttc 240
ttttatcgat ttgtgcattc ctccaagtcc atttcgggcg tccggggaaa ttttcacagc 300
attcaccctt caggtgtaga cacgtttttt tcttcaaaaa tcggttatga tcaatgattt 360
ttttttttt caaagaaaag ttggaaatca tctcttttca aaagcatgtc gggttttagc 420
tagacaactt attttctctt tttccacctt tttccttact tgctttcttt ttttccttat 480
ttgctctctt tttctttact tgctctcttc atttaccttt tgatctcttt tccattcatt 540
catctcattt ttttctttt c 561

<210> 2770
<211> 380
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2770

agcttgagtc atccttaagt tcaactttgc gaggctgata atagttgtat tgatttaatg 60
gttccagttt tcaaaattaa gttgaagggt tataatttgt agtttctaaa gtaagcatta 120
gaaattagaa aaaactgtct tgatctgttt taatcccagt tgtttagatt gaataaattg 180
gttaaactat tgtattccat gatatgtctt tgcagttccc atttttgcat ttaggtgata 240
aagaatttat tcatttgagt tgcacagctt taccagtacc aacagtccaa caccatcagg 300
ccctactaac ctggaagctg tgcatttggt ctttttatta ttgntgntgg agacaagtga 360
tttggttatc tccatttttt 380

<210> 2771
<211> 555
<212> DNA
<213> Glycine max

<400> 2771

gggttaaagt ctcacgattg tcacatgctc atgcaataat tgtagtcgt ggctatacga 60
gacatcttgc caaacaaggt caggtagcc ataactcgcc cgtgcttttc cttccatgct 120
atatgtagca aagtcattga tcctgtcaag ttgatgagc tggaaaatga ggccgcaatt 180
atactgtgcc agttggagat gtattttccc cctgctttct ttgacattat gattcacttt 240
attgtgcac tggtcagaga aatcaaagt tgtggtcctg ttcatacaca taattcaaatt 300
tcattaatat gtaatgcata tattggatga aagctttgaa aatggaactt atggcagttc 360
atcttaaatt gttgcaggta ctcttacttc ttgggatact gttcattctt ccaagcaggt 420
actcttcctt cttcagatat tgttcttctt tcctagtgtc taattcttga ctcatcttgt 480
atggtgtact atatgatgat gtaaattgga atatggtttc taaacagttt ttatacccggt 540
tttttgttta tggtc 555

<210> 2772
<211> 393
<212> DNA
<213> Glycine max

<400> 2772

agcttgtatc ttatactaaa ataatcatat attgcattca aataaagcaa tataggacaa 60
caaggatgta tctatacagt gctcaagtga gaaatataaa aacctgatgg caatctctcc 120

ttgttgagaa acaagagttg ctagttgatt aaagatggtg ctgagctcat gaatagtgga 180
 ctcaacattc tgaagagctt cagctctgtt ttgcatgtaa ctgtcttgca atggaactac 240
 ctcttgctgc tgctgctgct gttgcagcaa tgggtgactc tccccatcca cctgcttctt 300
 gtggatttaa aaggccatag aataaattat gtgagagcat aatttcagat ataaattcat 360
 cacaacctta atattggaga ataaccacaaa ttt 393

<210> 2773
 <211> 650
 <212> DNA
 <213> Glycine max

<400> 2773

tgtcatttcc actaatagtt gtatgccata ttaaagggca aaatttgtat gaagaccatg 60
 aagtatatgc aagttgtaat tttctgtgtg ctaagcaagt gtgaagagac ttttttttct 120
 aaattttcca ttcaacacaaa cactccctaa atgtagatga taagatggag aaaatggttg 180
 ttgcttccct tttgtcataa gactgtaaga agctaggcat tatcatcata agttatacac 240
 atgaaatgac tgggtaggtg tttgctttca cttttatcat atagccagtg ttattttcag 300
 cattaataat aatcaatgaa ttgtacaaa agatagcaaa gcttcatgtc taaatttttg 360
 ttcatgaatc ttatcagtga tagttgtcct tccaggttgt caaggaaaac cagatactac 420
 ataaagggtga taggataatt gatagcgata ttgaatttgc taccctcgca gatgtgaaca 480
 tatttgctgg agatcagggtt attgtgaggg actctgagat ccatgaaaat cgagatattg 540
 ttggtaagct atttgatagt gccgtagtgg caatgtgggt tgccattcta ttatgttatt 600
 ccaataggtt acattagggga acatgcaata atctttttga tctccataaa 650

<210> 2774
 <211> 857
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2774

caccccgta ccttccatga gacggccccc ctctatttaa gacctccacg cctgcaagct 60
 taatagttac aatttttttt gggggatttt gtttttttgc ctcccctaca tagaggtggt 120
 gattccttcc aagtttaccg ccttcgttgt tccctaaatg aaactcttgc gctggcatga 180

actaatcggg tgaggcgcat aaaggggagg ccatgtaaaa atgggtacggg cagggtatct 660
tcaaccgtgc gacggccttt aatagtatgg aaaagcgaac tgaacctata tgccacctat 720
tgaataaacg agtggctgaa catgcgtact agaagggtt atgggtgagcg ccaatgcggt 780
tctatgactt gaaaatcacg gtgcaacagg ttttacgaaa tatgactctt ataaaacntt 840
cacgaattcg accacgattc atccgaaggt agccatacct tgtgcgcatc tgacgatatg 900
gggCGTcaaa cg 912

<210> 2776
<211> 363
<212> DNA
<213> Glycine max
<400> 2776

gatggaatac ttactggggg gtgattaata aaagcgcaaa acggaatcaa aaaatgccaa 60
aaggataaat cctatggctg caaactcgca aattccgtgg gtatggcctt tgaatggggg 120
gaaaataagt ttttgaatgc taaaacggcc ccctttcatt gatatttata ttttggtgca 180
ggggttgctc gcccaggcga gctcaactcg cccaggccag ctcacctgca cttttttttt 240
tttttgagag gaacattaac catgtccctt tcttccttat ggattagcgt tttgcctatt 300
tgaccctact taagatagaa ttaggcgtta attacttaaa aaaaaaccaa caatggtagt 360
aaa 363

<210> 2777
<211> 568
<212> DNA
<213> Glycine max
<400> 2777

tgatcccttg taagtttaga ctaatttaac ccaaacttcg ttcttagatc cctcttggtg 60
gactaggctt gacttaaaca acattattaa cacaacataa taagaaaact aaatccctgg 120
taatgtagtt atttagtcct gcttctatca agttctaagg aaacagtaca tttctcaatg 180
cctcaaaatc acctaacaat acacacaggt gggatgatcag accaagagca tgcagtcatt 240
aagcattgaa agaaacattg aacacacaaa acataattaa ttacatatga gaagtaatta 300
catcaactgt tcattagaaa tgctcaacta gggtttttag ccagtcatac aagaaaccct 360

aatacaagtg agacagaaaa tacagagcaa ttgttgcttt acacatgaaa ggggatacct 420
 cctcctatTTt tggcaccttg ttggaattcc cctacggaag cttttatggt ccacttttct 480
 tcattcagat atgttcaacg ggaatategt ttgccagaaa gcgcacccga ttgttaagtt 540
 ttaaaaaatta aaaaggatga atcccaat 568

<210> 2778
 <211> 95
 <212> DNA
 <213> Glycine max

<400> 2778

gaacgaaaac tgttctagaa aatTTTTtct taaaagtgcc atgaataaag aaggcggctt 60
 ttactaatat aacctattac ccgtcgtaca gggat 95

<210> 2779
 <211> 205
 <212> DNA
 <213> Glycine max

<400> 2779

acaatgctca aatcttaaT gcatacttga atctaaccac atgtatctga ttcaaaaata 60
 ctatttatga cccttgTgaa tgtaaagccc tctattagtc attcaatgaa tggggctgat 120
 attactaaaa cttaaacatt tattaagtta ctaataaatc ttccaattgt attcaattta 180
 agcaaataata tatttgTctg aatta 205

<210> 2780
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 2780

aaacttatcc aatatttctt tttttcatca ataatacacc cacaacttgt ttgtggtgaa 60
 ttcggttgcg agaccctcag tgataaacca aggaagctat cccccattgt ggggacctca 120
 tgectctgtc ttattattct aattcacaca cttttttcat tttaacctat ttcattgaat 180
 taccttctac ccagccaatc ctatatggat tttatataga aactaccgaa aaaattgcgg 240
 ctttatcttt atttaaagag agaatctacc gaaaacgtcg ctttcgaact gataggagtt 300

tttgttacag taatga

316

<210> 2781
<211> 511
<212> DNA
<213> Glycine max

<400> 2781

tagagagggg gagcacgaaa ttgaaggagg aaaaagagag agaacgtgaa ctttgagttg 60
cgattcacia gactctcatt gatcaaagtt acaacaagtg ggacacgatg ctttatttat 120
agacttggtg gcttcctcga gaagctttct tgagaaaact tccatgagaa gcatttttga 180
gaaaacttcc ttggcaaaact agagaggagc tacacacacc ctactcgtaa ctaagctcac 240
ctccttgaga agctaccttg agaaaattcc taaagaagct agagcttagc tacacacacc 300
tttctaatag ctaactcacc tccttgagat gagaagctag agcttaacta cacgccccct 360
aaaatagcta agcttaccgg catgacaaaa tacaggaaaa aacaaaaaaa gttcctactt 420
caaagactac tcaaaatgcc tcgaaatata aggctaaaac cctatacaac tagaatggcc 480
aaaatacaag gcccaaacga aagaaaaacc t 511

<210> 2782
<211> 199
<212> DNA
<213> Glycine max

<400> 2782

gcttaagacc taaaggggat gggacctttt taggttttgg agaggatcaa taacaatgcc 60
tatatgttgg acctcccaaa agaggatgga gtcagcacca cttttaacat ttctgaatta 120
aattcttttg caggtggagc tgctattgag gaggaggaac taacagattt gagggccaat 180
tctttttaag gagaagggg 199

<210> 2783
<211> 567
<212> DNA
<213> Glycine max

<400> 2783

tgcttttaca aaatatgaaa tgtgaccctt tttcatgcaa ttaatgacat gttttttcat 60

ttttcctaga atacaccatg gtcctttctt ttgaaacct tagttgggtt caccctttt 120
 gaagatacaa actgagtttt ctttgaaaag gagatttggt tggtatatga caagtcgggc 180
 ttatctgtag tatgcttttg catactgagc atgcaattaa gatcactatt tcctttgttt 240
 gaattttcaa acaaattctt aaggtaggaa agctcagttt gcaaaaattt gtaatcatcc 300
 atgttaaaag aagtagaggt atatttacia gtagtgggct taaatcttga aacaagcttt 360
 tcattttctt gcttcagttt gttcagcttt tcttggttta aaggcaattt attgacatgc 420
 aattttagat tactttttta atttttgttt aaaacagaaa acctttgagc tctctcatgc 480
 attttattaa atggctttta aaagttcttc aaagtatgaa tttaacttaa tgttttcact 540
 tgttgacaga ttatttatgg aattttg 567

<210> 2784
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 2784
 agcttgagat tgatcaacgg aaagtctcga gaaatacaaa tggtcataat tttcactcac 60
 aagtctgatt caggcgccaa acatatcgag acgcttaaaa ttgaacaacg gaagctatcg 120
 agaaattcaa atggccataa catttcactc ggatgtctga ttaagccaca taatatatcg 180
 agacgcttga aattgaacaa cggaagctgt caagaaattc aaatgctcat aacttttcac 240
 tcggatgtcc gattcaggcg cataatatgt ttagacgctc gaaattgatc aacggaagct 300
 ctagagaagt caaggggtca ttatttttca cacggat 337

<210> 2785
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 2785
 tctgttggtc agtttcgagc atctcgatac attatgcgcc ttaatcggac attcgagtga 60
 aaagttatga ccatttggat ttctcgagag ctttcgtagt ccaattttga gcatctcgat 120
 atattaactc cccgaaccag acatcggggt gaaaagttat gaccacttga attctcgaga 180
 gcttccggtg cttaatttcg agcttctcga tatgttatgc gattatatcg aacatccgac 240

ggagacgcta tgatagattt aaattctcga gagcttccgc tgatcaaata ctagcgtcaa 300
gatatgttgt gcgtctgaat cggacatctc agggaaaagt tctgaccatt tgactttctc 360
gagagcttc 369

<210> 2786
<211> 254
<212> DNA
<213> Glycine max
<400> 2786

agcttgacca gtcccgaccc aaccggggca tagtcgggtca gtgagaacct gtgatgtacc 60
taaacaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca aagcaagggg 120
gcttgtggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg ccttttggtaa 180
tcgattacca aggggtgggta attgattaca aggcttaaaa atgaagacat gaggctaaga 240
tggctctctgg taat 254

<210> 2787
<211> 371
<212> DNA
<213> Glycine max
<400> 2787

ttgcctgtag cagttccttg atcaactcca agttgcttaa agacaaaaga attatagtaa 60
gttttggtag aaatgcagta gtgacataat aagtgcatta gtgacacact tcttttaatc 120
ttggccatgt atctccaaaa gtagatatgg gtattctggt catcaactag tacataataa 180
gggcattagt gacacttctt ttaatcttcc tatcaaaaac gctttttgag ctataataag 240
tcatggatcc tgctgagaaa atgattgagt cttatgggggt tggttggttg atagcagaaa 300
cagaacatgc catctcttca ataagaactg tttattcata tgtttatggg ctttgcaaag 360
gggttggtgt t 371

<210> 2788
<211> 259
<212> DNA
<213> Glycine max
<400> 2788

gagcttagtt attagagggg tgtgtgtaac taagctatag cttctcaagg aagttttctc 60
aaagaagctt ctcaaggaag gtttctcaac aaagcttctc aaggaagcta cctaattctat 120
aatagaagc atgcggaaca cttattgtaa ctttgatgaa tgagattctt gtgagacata 180
cttcaaaagt ccacttttct ccctttttta ttccttcaat ttcgggctcc cccctttctc 240
tttctctccc tctttcttt 259

<210> 2789
<211> 572
<212> DNA
<213> Glycine max
<400> 2789

tgcttgtaaca atagtatgaa atgagaccct tttttatgca ataatgacat gtcttttcat 60
ttttcctaga atacaccatg ttccttcttt ttgagacctt acttgggttc accccttttg 120
aggatacaaa ctgagtttct tttgaaaagg agatttggtc gttatatgac aagtcggcct 180
tatctgtagt atgcttttgc atactgagca tgcaattaag atcactattc cctttgtttg 240
attttcctaaa caaatcttta aggtaggaaa gctcagtttg caaaaatttg taatcatcca 300
tggttaaagga agtagaggta tcatcacaag tagtggcttt acatcttgaa acaagcttct 360
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attttaactt acttttcaaa tttttgttaa taacagaaaag tcttttgaac tttcttatgc 480
atttcattaa atgcttctaa aaggtcttcc aagtcagaaa ttacctcaat ttttttaatt 540
tggtgactaa atcaattatg gattttggca tt 572

<210> 2790
<211> 353
<212> DNA
<213> Glycine max
<400> 2790

gaaagacagt gaagtgtctt aagactgaca atggcttgaa attctgtaaa ggtgaaggca 60
ttgcaagaca gtgtgttgta cactatactc tatagtagaa tggagtagtt gaaaaaatga 120
acagaacctc gttagaaagg gccagatgca tactatccaa tataagggttg aataggagtt 180
ttgggggctaa ggtagttagc acaacatgtt atctcatgaa ttgctcaccg tccactggca 240

tagatttcag gacccttatt gaggtatgat ctaacaaact tacttaatat tcaatggtga 300
agatgggttg atttcccaca tactatcatg taaataaagg taagctagag ccc 353

<210> 2791
<211> 234
<212> DNA
<213> Glycine max

<400> 2791

tcccagttat agagagctaa atcctctgat gggttttcct tgtaggtact tgatgcaaat 60
acatgtatat ctagctaacg atgttttatg tgttctctgc gctatcagta tgtcatttca 120
gtgtgttttt tgccttgatc atgcagatgc atgctttggtt acgatctttc aacagtacaa 180
actgccctga ttcttacaac ttgatatgac atggctagtt tatcgtatta tcac 234

<210> 2792
<211> 394
<212> DNA
<213> Glycine max

<400> 2792

gaactgcacc catgcacgct ttacaaaaag gtttgtecca tatttttcta tacttgtagc 60
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ttttcagacc ttaccttact tcaacatacc aaacaccact aatacctatg ggttttcaga 180
ccttacctta cttcaagaac cttgggattt gaggtcaaat ccttttcaag ggggagggaa 240
tgatgtaatc ctacctgca aggccaaaga tgcaagaaaa ggccctaagg gtctcatgag 300
ccttagggta gatttcaagc ccatgggcta cagatgagcc cacttatctt ttacatatt 360
aaattaaggg ttcataaatt ttggggcttc tatt 394

<210> 2793
<211> 929
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2793

ctcatcaaat atctagngac aagatactcc attatctctc accncaccta ctatacntc 60
tgtntcccat attgttcacc agatactgca gagatctcnn ctattnanac acnnnnnagc 120

[illegible]

9

ataaggaaaag aacatctccn catcggggtg ccttctggca ggacagcccc tcatggtgcc 540
ccaagagagg cactcactct aaacctggc gagctccaaa atctttactt gctttggcgc 600
ggcacaaaac atttctctaa aaaactctca ctagaacgcc ccctgggttag aaacacaata 660
cgcgcccggc acacttggtt ctgggggggt ggggaatgga cgtcgaaatc accaccggcg 720
gaccaaacc ccaaaccctt tttaaagcaa ggacatgcac tggacgttaa cggcaaaaac 780
aggcgggtccc ttgatcaacc aaacggatag gttctaaggg acctcccaa accccgcaca 840
aaaaaaagta agaacatgga cgacaaacct acgacacca cctttgacca cacatctagg 900
tccctaaggg gcggttgcca tcttccacca ccactcgtag aaaccaaaa cgccaccgg 960
cgcggggagga aagacacatc actacacccc aaagataaac cggaacacag gtgcctacga 1020
aatatcaata cccctcagca acaccggaac acctcccaca caatatacga taagcgcggg 1080
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<210> 2795
<211> 1081
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2795

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tcgacatccg aaagcaatcn taagatgagc agggtagcgg cgactcattt atttatggac 120
attacgcagt agactctaga gcattgacga ggagctgcat atcttcatca ccacgagagt 180
cagcgttctc ggcagcaaac cattctctta tctaaatata tggtaacatc gctgtctctc 240
gactcacacc ccttgattgg gctctcgagg ggtatcgtct cctactatga accacacctg 300
acaagcgatg tcgcttcgca cacttcacgt atgccatgcy aggcactgtg aagaacagga 360
cttctattag ttacanagcc gcgtcgatgg agcctcttcg tgacataaga acgtaatcct 420
acacttcttc tgtagaatgt tctctataaa gtcaactgta aatgcctgtt gaatcaactt 480
caatgtgata ccatcagatc attactcaaa aatgtaacgc aactccggtc gcctctgtac 540
gtgtgaatga caccctccga tctttatact atacacgcta ctgcctgat tcctaacgtt 600
cgctatccac ctatggacga acctatacct caacacgatt cagcttcact tagagctcac 660
ccgatataaa aatatatttc tacgcccata tttaactcgc ccgcatatat catccttaat 720

gaaacctcca ttctgcttct atgccaattg atctaattgt aacccccattc cttaccctg 780
 ctteggacag gcttactatc gaatatcctc aatctcggcc tacgcgcata tacacgcgaa 840
 ggtacataca catccctagt cgcgcgcgta tatatgattc cactcagcat attcactatc 900
 ctcgaccatc cctccgcgct aatgagacat tacataccta cctgactgat gttgtccacg 960
 attccgtaca agcatacata taaggctcga cccacggctg caaaatcgca cagcgtacgc 1020
 tctgcctatc gtcaaacaca tattggctcc cgcataacag tcgtgtgctc tcggacgccc 1080
 g 1081

<210> 2796
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 2796
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 tcattggcat catttttttt tccggcattg aggtgccact tgagctgcca ggtctctcca 120
 cctttgggag tattcttttg aaagactcgg gccctctttt tgcacatggt ctgtagttgc 180
 atcctatccg aagccattat accgacattg cctaacgaag gcaaccatta ggtccttcca 240
 agagtggact cgagaagggt ccaggttggt gtaccaggta acagctactc cagtaagatt 300
 ttcttggaag ga 312

<210> 2797
 <211> 940
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2797

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 tgaaactata caccaccctg gcctcagact gtagatcatc acacaaagca ggctcaagtt 180
 agctacacat aggtctatag gcgatggcgc ctgagtacct ctatgacata attgcaggaa 240
 tgaggattcg gttatattaa tctcaactgg tcatttatgt acctatttag acacttaa 300

gtcaaactcc tattatcatg tgatgttagt gtttatgaat tatttactct ttatacaacc 360
aacccaatgt tttcaataaa tgctcattta tcaagggtgag catacgtttg acttctttta 420
tgccgtacgg ggaagagcct aaacataccc ccttaacgtg tttatacgat gtgtttctct 480
gcaggaatat gatctttcaa cgaccttatt ttcaaataaa acatgcaacc tcatttataa 540
tctacaccag gaagggtttca tacaaccaac aacttattat ctgtttatgc acctgggttc 600
ctaacttgty gtcgatacta cttgaaatc ctcttcattc ttattatata cgccttttaa 660
cctcacttcc ggaattgcac cgatgcaaaa gcacttgtyg gtatcctatg cataaactca 720
cgggggacct tatttttcac ctatacctta agtcctgtct tttttcaatt agaaagattt 780
ccttcctgta tccattttaa atccaaattt ttaccttcca tagatacgat cttacctaatt 840
tacactgaca ccatacaact tttcctgcta tgcacactgc cataactgtt cgctcattca 900
ttcaaagtga tcctctctcc acactcacac tctgattccg 940

<210> 2798
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2798

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gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
ctccaactga gtcacgtac tcccacctag cccatattct cgtttttctc aacaccgggt 180
ccccatcaat ctttccaagc ttttccaaca tcaaagtaat acaacattca cacagcacia 240
gctaccacag ccaagcaaaa cagagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
aatcacagct ttttccactt caaagacccc agtaacaatt ctttcgatcc aattcggtta 360
ccgttagatc gactccaaaa ttttactgga agtctatagt gcataagcct acattttgac 420
cgttgggatc tact 434

<210> 2799
<211> 413
<212> DNA
<213> Glycine max
<400> 2799

ttgcggattt gggctcttagc cggagaaatg atcgaagtgg gtctaataag aggaatatct 60
 gatcatcttg ctttgataaa tgcaaaaaaa atatctgcgg ctaatgaaga gggtgaggat 120
 gaaggagaat cctgagctgt gactgccatt caagacagcc aagttttcta ccaacccaac 180
 gctgtattta cttatgcatt aacaaacctt ctcttacc accgaccagt tatccactaa 240
 ggccattctt aaaatcaacc actaaggcta gctaaccgca ctttcgatga caaacaccac 300
 ctttagtgta aaccgaaata ccaaccagga aatgaatttt gccttttagaa agctttacaa 360
 ttcaccccaa tttcagtgtc ctatgctgac ttgcttccat atctatttga taa 413

<210> 2800
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 2800
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 agaccttcaa tcctattacg caacgtggcg gacaaaagtg ggctgttaac ttgaatggtc 120
 attattgtca atgcggaagg tattctgcgc ttactatcc atgttcacac attattgcag 180
 cttgagggtta cgtgagcatg aactactacc aatatataga tgttggttac acaaatgaac 240
 acatcttaaa agcttactcc gcacaatggg ggctctcgg gaatgaagcg gctattcctc 300
 cttctaataa cgcattggaca cttatccctg acccaactac aatgcgtgcg aaaggctcag 360
 cacaatcaac caggataagg aatgagatgg attgggtcga accatctgag caaccgaaaa 420
 aat 423

<210> 2801
 <211> 1198
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2801

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 tgactatcgt ctcatgaact ccnaccgaca gggagctgat tgcttccttt gcattccacg 120
 agactcctat agcaatactc cctcccatcc cctgctcctg ctttattgcg tctaattgcta 180

<212> DNA
<213> Glycine max

<400> 2803

cggttatggg caatagcacc ccacccgacg tccccaatgt cttctgaccc ccgcgacata 60
tctccaggta ccactctgtg gtcaacgaat aaaagcagga agtttcaccc ttctacactt 120
cctcatcgca agcttgtagg attatggggt acccatcaca tgtgggtacta ggtggcggtc 180
gggcgatggg gcacaacaag ttttccacat ccacaaattg cgcataaacc caccatcccc 240
tggtgcccac ctctaactaa gtcacgtac tcccacgtag cccatatacct cgtttctctc 300
aacaccgggt ccccatcaat cctctcaagc ttccccaaca tccaagtaat tcaacattca 360
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accaacacaa atcacaggtt ttctcactta aggaccccaa taacatttcc ttcgttccaa 480
ttcattaacc gttggatcga ctcgaaaagt ttactggaaa gctctagtac ataaattcta 540
cattttgacc ggtgggacct actattaaac atc 573

<210> 2804
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2804

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gcaaattctga tcatcatgct ttgataaatg caaaaaaact ggggcaagtg aagaagggga 120
gaatgaagga gaaacccatg ctgtggactg ccattttcta tacagccaag tttcccacca 180
accaacaat gacattactc agcccataac aaaccttttc cttaccacc acccagttat 240
ccacaaaggc catccttaaa tcaatcacia agcctgtcta ccgcacttcc aatgacgaac 300
accaccttta gcacaaacca aaacaccaac caagaaatga aatttgtacc gaaaaagcct 360
gtagaattca ccctaatttt ggtgtgctat gctgacttgc ttccatattt acttgataat 420
tcaatggtag ccataacccc tgtcatacct aatttcgtcc gggattatta tttgatgata 480
tccacccttt gattggccgc ttttaa 506

<210> 2805

<211> 1276
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2805

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 ccactaacia taggctgnnn ccgagtgtat gtagtccctc cactacttga ataatatggc 120
 acccctcccc tcttcagaga aggttcccca agaagaggtg tctcaagtgt atgtcttctt 180
 ttcacgctat tataataaga agtcaactgt gcagatcaca tgtcatgcgt ttaantatgt 240
 gacagcacat cgtactagt actctgtagt aagacaatcc tactaacatt aatccgatac 300
 tatcttctga ccgatttat gcctactttc aatatttgga ttgtcccgac gtctactcgt 360
 attactatta ctactacctc tacttagaat ttgtccgtac cactcgagaa gcattctcta 420
 atacatagga tctattatcc cagatgcgac atttcttgtg gtcggccaga aanctcccta 480
 ttcttcacat gggcggttaga tctctatag ggaaggaggg cctacttca ttaccctgtt 540
 acttacatta ttctttccgg ttgaacatct ctcatgggtg tggaacaat caccgcattc 600
 tgatagcgaa ccgttcatat cganagttct ctataaacia tccccagatt ctttctaata 660
 tgtaacagcc tgacaacia tagcataggt attctctcat tcatgcacag acacacacgc 720
 ccttataat cctggattcc agtagccac aatgtgctct gctgccaata cactcgcatg 780
 tggtaggnga cgaacataat actatgatat gctattccct acttagtatc acatactaata 840
 gctatagcac gccgaattcg caatgcgcca ttaacactct ggctacaatg acacattcgt 900
 ccggtgggct aatgcacaga tcggttaagt aagtttctc tctgttcga atacatgggt 960
 ctgtgacgcg ggaagccaca cgttactatg gctctcaaca caacgaatac acatccgtca 1020
 tgactatatt gtgacattta tgaacaagaa gctccgttat atctgtctct tgtgttgtga 1080
 attcgcggat cacatagtta caggttcata ttacgctcgc atattgggtcc tctcagggtcc 1140
 tacttcattt gattcactca gccaaatcgc atataccgac ntaattgcac accgcattctg 1200
 acgcactcta ttgtctacag tgttacactc tacttacgcg acgtcgtatc gcgcacgagt 1260
 cattcgcata actcgg 1276

<210> 2806
 <211> 382

<212> DNA
 <213> Glycine max
 <400> 2806

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 cacagagtgg tacctggaga tatgtcgcgg gggtcacgag accttgggga cgtcaggtgg 120
 ggtgctattg cccaaaacca agcttgacca atccccgacc aaccgggca tagtcggtca 180
 gtgagaacat gtgacgtacc taagcaggcg agctcctggc agtcaacaga taaaaggaaa 240
 acaagaccac agagcaagga ggcttgtggt ggctggccag ctgtgaattt tgtgtaatat 300
 gtggattgtg gcctctggta atcgattacc aagggtgggt aatcgattac aaggcttaaa 360
 aattgaaaca gggggctaac at 382

<210> 2807
 <211> 948
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2807

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 atctcnacat tcagccacgg cggtgatgat ttgaatcatt cgcactacct gacnatatan 120
 acttctcaac ctttgttggg atgttgcgcg gactgatggg caaccattaa gtgtattgct 180
 ggggctcaga acccacagcg ggtgtgtgaa gactacgagc atgggtccat ttctcttcca 240
 ttactcttat agccgcctgt tcgacccgaa ttttttagg caattcacgc ttagaggacg 300
 gaaacgataa tcaaactttt gctctttaa aaaccacct cacatttttt cccgggcaca 360
 caccagatcc gcaaagttgg acggcatgta acccactacg ctcttatagt ataacttg 420
 cagagcgctc tatcatcatg gtgatcatct tctctctcaa ccatgggagg aactacttgt 480
 gccgcaaaa cctgtatag ctgggcataa atctttaaag gcttcacact cattttttga 540
 acatatactg tacttgagcc gtgccaggag ccatatcacg aattgcactg atatctgctt 600
 aaaaaggcgg aaattagatc cttccaagca cggatacagg aaagcttcta aattactgca 660
 ccacaccatt agtagctcct gtcaagataa ccttgaaaga aatggtataa aaggcttttc 720
 atcttgcaaa ctgcgctccc ctatttaagg cagaacattt caaaaaggat attggcgaat 780

actgcgactc ttttaatttg ttcgaaaatc tctgccatca gaaaacttta cgtaataaca 840
 actctttcgt cctcatcgat caatacatTTT cacaccttaa caacaaccgg cttcaaagca 900
 atttcatagt gccctataac cctactacac gatccacgca gccgtccg 948

<210> 2808
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 2808

gaacaatata cttgcccttc atttaactgt ctctgggctt gttggccacg ctcaacaaag 60
 tactttcgac acctactgta cgttgatttg accaatgctg ttatgggaat gttgcgacaa 120
 tccttcaaaa ctttattgat acattctgag aggttggttg tcatgtggcc atatcgacgt 180
 ctttctctat cataagccat cgtccatttt ttctttgaaa tgcgatcaat ccatgttgct 240
 atggctggac tcagttcacg aaatatttct aaatattgat aaaaaaaagt gcttgccagg 300
 agtgtaggct acataaaaaat agctatgaat aacaatcttc agtgtttatg aacagttaat 360
 aaacgtgacc atcaaataag aaaacttacc caattctttc aacatttttt ttg 414

<210> 2809
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 2809

gcttttagtga ttgtgtgacc accaatttta tattgtttgt tcgcacggat atgttctacg 60
 attgggtttg cctgaatttc taattgacgt aacgtatgat tcatggaagg gatctaagca 120
 tttttttctt atatgccagt ggccaacca cttttccaat atacattatt ttttcgccat 180
 ttgccaaccc ttgagccag aaacttggtt tttatcagaa ccctaacccta agatgaaagg 240
 ttccaacctt accttaggat aagagagtta ggggtgtttc cagggaaaat tctattcttt 300
 tt 302

<210> 2810
 <211> 811
 <212> DNA
 <213> Glycine max

<400> 2810

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gtctttgcga cgccctattg tacgtatgat ctgcaccac tgctgtctca gagaatgagt 120
gctaccacca cactaatatc cattattgac taacatgcc aaaacgctca gatggcatcg 180
ttgaccgaga tcaacgatac cttctttatc atacagccca tcgatcattt tagacctttt 240
gaaaagggga tcatatccat gttagcttat ggctgggact acacttcaac gaaaatcttt 300
tttaaatttt tgaaaaataa aatgtgcctt gcaaggagt aaaggctcta taacaaataa 360
gatatgaagt aacaatttta agtatattat gaaagttaaa taaacgtgac catcaaatat 420
gaaattctac ccaaacgggt aaaacaattc ctctcgaaat gcattactga attttagaaa 480
gaagtcttat gcttcgtgct tcatgcacca aatgaggtaa tccgtgggga agtgataaac 540
tcaccggact gacaacttaa catagctctt agtctacat ctgagtcgac taattgataa 600
taatgccttt tacagctaag aggattcttc ttaagatacc caaatacttt actctctatt 660
tatgtcatat tctcttataa ttcgctgccg gtctatgacg aacatcacct cgctctcgct 720
tttaagtata aaggggactg aaacacttct caaggcatga accccctcaa aatcttggtg 780
ggaacatcaa gcccttctag agaaaatgac g 811

<210> 2811

<211> 806

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2811

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ccacggacgg gagaagagtt atgtttaaat aagaaccac cagcatagga atacgggcga 180
gtatgtccaa atatacgcg gaaaagaggc ttcagggaag ggtgatcgac tctttatacc 240
aagaggcaac catgtggatg ggatcggtt tccttctc ggaccggggt ttgcaacctt 300
tccccgtgtt atctcaccac actgctacgc ggcttctcgt tccccctc ctcttatttc 360
ttgttcatct agacttttcc gctctcaaac ctataacttt ccccgcttct ccacatacca 420
tattgttaga gcactttcgg tgtcaccttc tccctcccta ctctttgccc ctatttgctc 480

ttctcacctc tctccttctt ttctccccct cttctccccct cactctctct tctattgggtg 540
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 tctttctcgc tctccttctt ttgcatctct gttttgtcat tgcctctcaa ctcgtagactc 720
 ctccgtttac tccgctctct cctgccccca catgtcctag agacgtaaca atccccctcaa 780
 ctttctgcta ccgcttcccta ccaaca 806

<210> 2812
 <211> 907
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2812

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 atgaatacaa acctctcccc tatttgctat acaaggggga ggagcgaaga atatatgttt 180
 catcctctta ggcacttctc tgtctgtcga aattgctgaa gaaaactatc tccgcgaaga 240
 aaactccagc cgagacgctt ccgtaaccgt ttccgtgagt aattacgcaa agattctcga 300
 ccgttcttca agattccccg ttcgctcttc gttcccttca gacttcaacg ggtaagaacc 360
 tcaaaccgaa cttttcaatt catcttatgt acccggtgggtg gtccacattt tgttcaatgg 420
 acatatatcc cgccttccat aacttgttta taccctctct tgacggccta acccatctat 480
 tgaagtcctt tctcgcttaa ttcaataata aacataaatt ccaccgaacg tttgaaatgg 540
 tatcatccgc taccttcggt taaaaacgaa ttccgaccgt tcggccggcc cgatccacgc 600
 cggtaaacca acaaagaagg tcaataatat atccacatcc agaaataccc tttaataaac 660
 ataaagcaca aataacaatc ggacgttccc tctttgggac tactcattcc taactgaatt 720
 gactactacc tgaagcgcaa ctaagggtca gatcaacctc gctcaaccaa actggcccca 780
 aaaaaaaagt tttcggaaca acaccatttc tagccctaac tacatcaacg agggcctatt 840
 ctaaggtcca accgcttcca gtgactcacc cctccgctac aatgaacgct ctgagcactc 900
 acacaac 907

<210> 2813
 <211> 517
 <212> DNA
 <213> Glycine max

<400> 2813

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 gaacccatgt tgtgattgtc attcccatat ggccaaattt cccaccagct caataatatc 180
 aatattcagc caatatcagc ccttctcatt acccaccacc ctatcagcca agaacactca 240
 atcatccaca aaggccaccc ctaaatcagc caciaagccc gcttgccaca catccaatac 300
 caaacaccac ccttaacaca aacaaaaaca ccaaccgtgg aaggaatttt ccagaaaaaa 360
 aaaaaaagc ctgtagaatt caccccaatt ttggtgtcgc atgctaactt aatcgcatat 420
 ttactcaata aggcaatggg agccataatc ccagtgaaaa ttcttcaacc tctatttttc 480
 tgaagataca actcgaatgc aacatgtgct tatcatg 517

<210> 2814
 <211> 595
 <212> DNA
 <213> Glycine max

<400> 2814

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 gggagagttt gatacaattt atacaagttt tatacacaaa agttagtcac tattttcaac 180
 tcccgaaccc ttattttcaa aattcgcaaa cctctttttg atttttttta cgttttcctt 240
 aaataaaggt ttgtggtgac tcccacgcat tttccttttt ggaagatgag ccttttgctt 300
 ttgcctcgc cctcccgtag aagggttagt tgcgatatgt ctaaatgcaa agtcctatat 360
 acaaattgaa gacaatttag tatagatttc aagggaagg ttaatatcaa catttgggtc 420
 aaatatccat tcagttttta aagggaacaa aaatggtggt ttggttttct acatcaagag 480
 acgtcatttt gaaaatctgg ttatgccaat gtgaccaagg ttaagtgaag gtcacgaaaa 540
 caacatcaat ttataaaaa ggtactttta catcgtctta ttttaagggt tttca 595

<210> 2815
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 2815

agcttggtga cacgcggaga tttatgtcat cttccgcgct cacaagatct gtcattattga 60
 cattatagtc acgctgacgg gcggaaatac ccaaatgggtt atctgtataa atattctttt 120
 ttggttatct gtaaaacgaa aagcctgata gcacgcagag actaacctcg tcttctgcgc 180
 cctttgtcaa tcgcggccga caagcccatt aacacgccga gatttacgtc atcatccgcg 240
 ctcacaagat ctatcatact gacatttgag tcacgttgac gggcggaaat acccgagtgg 300
 gtatccgtat aaacattcct ttttgcatac tgtaagacca aaagcttgat a 351

<210> 2816
 <211> 624
 <212> DNA
 <213> Glycine max

<400> 2816

acctacagaa actaagetta ttcagctgcc ctgctcgacc aagcatatcc accacacaag 60
 cataatgtct taactttggc tttacgccat acaaactctg catttgacca agatatttta 120
 atccttctgt tactaagcca gcatgggttac aggcaattag cactccaga aatgtaaaag 180
 aatccggtct gcatccttta ttttgcatta atccaaacag ctcaatagcc ttcagcacat 240
 gtccatggat accatatact gcaattataa cattccatac tgcttcatcc ttctcattta 300
 ccctgtcaaa aatgttccga gattgttcca agcatccaca tttagcatac atgtctttta 360
 atgcacaagt aacaaagtta tcctcagaaa gacgagggtt cattgcaaag gagtgaactt 420
 ctttccccag ccgcaatgca tccacattta atctcggtat tatattgtat tatttgaagc 480
 tattgaaagg aaaaattgga aaaaagatag tacctttgta gtaagagggtt gtaaaagcaa 540
 aaagcatctg aagagtccgc attgaaatgg agacagacta cgagcaacga caccaaagca 600
 ggaggaaaaa ttgcatacca aaaa 624

<210> 2817
 <211> 380
 <212> DNA

<213> Glycine max

<400> 2817

agctttttatc aatattaaaa catcttactc ttatcaaagc acatgtaact tataagtctt 60
gaataactct attaccaatt aagcaagatt gtttgacacag aagaaaatca acagataata 120
accatataac agcaaacttg ccatggggtg acaaattcag gaggaccagt ttgactgcct 180
ccactacttt gaggatcaga aggattattht ggcattccga ttgacgagat gcttctctgg 240
gaatgagctg cactatggtc taacttaaag gtgctgctgc tccagaaatc ttctgatcca 300
tccaccttag tcaactgtttg accttgagtc cttagtcctt tagatgcttc atccattgaa 360
ataatccctg gagttttttt 380

<210> 2818

<211> 572

<212> DNA

<213> Glycine max

<400> 2818

ttgaacaata tacttgccct tcatttaact gtctctgggc ttggtggcca cgctcaacaa 60
agtactttcg acacctactg tacgttgatt tgaccaatgc tgttatggga atgttgcgac 120
aatccttcaa aaccttattg atacattctg agaggttggt tgtcatgtgg ccatatcgac 180
gtccttctct atcataagcc atcgtccatt tttcctttga aatgcatca atccatgttg 240
ctatggctgg actcagttca cgaaattht ctaaatttg ataaaaaat gtgcttgcaa 300
ggagtgtagg ctacataaaa ttagttatga ataacaattt taagtatata tgaaagttaa 360
ataaacgtga ccatcaaata tgaaatctta cccaatttct tcaacatttc tttttgtttt 420
gcattattga atttccgatt gaagtttctt gctatgtgc gcatgcagta gacatgataa 480
ccgtggggag gttggcaacc aagtgtttt ttagcgacaa cggactttat actcccgtgt 540
cgatcaataa taaaccaatc catttttctc tg 572

<210> 2819

<211> 386

<212> DNA

<213> Glycine max

<400> 2819

gcatgcaagc ttgcatgaaa atttctcacg ggaggtaaat tgcaaccttg cggtagggggc 60
 ttggggggggg gatctccttg ataagggcca aatgggtgga ttcaaaatcg ccatgcataa 120
 aattgtcagg ctctgaatct gaagtgtagt ctacttcatg cagaattaat aaggcatata 180
 aatctctaca taatgaagta aaatgaaatt tctacaaaaa caaaattacc aataataaaa 240
 tgatgctaga gaaatttaag gaggttgata ctttttgaat caaaattgaa taaatttgac 300
 cataactaaag aaaaaattgg caaatttgca tattgaatat agagaaagcc atcaacacca 360
 atttacttat tacattatct tttttt 386

<210> 2820
 <211> 490
 <212> DNA
 <213> Glycine max
 <400> 2820

tgcccgggtgc tggttctcga gtgaggaaac ttgacttaga gcgtccatat caactcatgc 60
 acccgatgcyg atatattggtg agctatggcg gctcctatac tttcctatgc gtatgcttcc 120
 accagcgaga tcaatcccat cagtggcctt gtttatgaca ttctgatgct tgagtcttct 180
 accacctttc gtgagctatc cacacgcctt gggagcgcg cagtgggttcc ttaataattc 240
 tcgcgacaat gggaccatca atgacaccgg ccggcaaact cgattgcctg cctgttagaa 300
 tcgtacacct ttgatgtgca ctggtacgga taaacaggga tgccttattt agtatataaa 360
 atatataaac gcgcatgaaa acactcttgg ttgctggaga aatagcttgc ctcttagaga 420
 gtgccaatta tctaggacat tgagctcagg ccccttgctt gtcttccttc gggccggctg 480
 aatagactac 490

<210> 2821
 <211> 273
 <212> DNA
 <213> Glycine max
 <400> 2821

atgcaagctt gtctcagcgt ttatgcgaga cggagacttc atgctagcta tcatcgccaa 60
 gtaccaagaa gagttaggtc tagccacgac ccacgagcat aggatcacgg acgagtatgc 120
 ccaagtatac gcggaaaaag aagctagagg gaaggggtgat cgactcttta caccaagagg 180

caaccatgtg gatggatcgg tttgctctta ccttgaacgg gagttacgat ctttcccgat 240
 tgttataccta ggccaaggcg atggcggtta ctt 273

<210> 2822
 <211> 551
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2822

tcttctcaac aggatcatat aacctgtaac caaattcatt ctcatcataa ccaatgaaga 60
 tacattgcct tgactttgca tccaacttgg atctctcacc ctttggaaca tgcataaaag 120
 ccttgacgcc gaaaactctt aagtgggtcat acttcacatt cttgccaac cagattttgt 180
 tcggcgctc actattcaaa gcaataacag gactaagatt gataacatgc accgccgtgt 240
 atagtgcctt accccagaag tgcttgggta actttgcttc agagagcata catctcactc 300
 tctcaattaa tgtcttattc atctctccg ccaaaccatt tagttgagga gttttctcat 360
 gagcaatgtc atgcttcttg cagtagacat caaatgggtcc ctaatactca ccgccattgt 420
 caatacgaat gcgnttcagc ttcttgcttg attgcctctt aactaagaca tgaaactcct 480
 tgaacttctt aagaacttgg tcatttgtct tttaagcata tacccaaagt ttcttggaa 540
 agtcatcaat g 551

<210> 2823
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2823

tttgaaagta ttgnaagagg ggaaaacatt tatgtgttac tcacgcacac aaagaccttg 60
 tatgaaggat taccagaata gaaaaaatga ttgatcattg ttgatgtgaa ctttactagg 120
 agtggatcgc ttgatacaag ctactcaatt ttggacgacg ccacttcctg atagggaaga 180
 taattcatgt acatgccaca tgaattacct tgataaatcc gagattgggtt cagcgaggaa 240
 cccatagaga agttctcaca aatttttatg aaaggcccat agttccttca ttgaaaacga 300
 aaacctatac atatagtgtg tctgaacaaa aagatattaa tagacgtgtg cct 353

<210> 2824
 <211> 869
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2824

cgccntttcg aattgccttg acgatcccat cctgaacacg nacctcngat cncatataac 60
 gccatagcct tcaaggccaa ctatacgggtg tgacacaacc aacatcgcaa tcagtaagac 120
 atgttctatg tactgtatgt agtatccatc actgatcctt ncacctccgc agtgtgcttg 180
 tgaagtgaca tccatatgag aagcactggg atagactcat catacaacgg aatactgggt 240
 ggtacaactc aactaaccca tcataagctc catgaggacc ttattaaagc aaggagccac 300
 gacattaact gcttcaccgt gcgtcgcgaa cacgtcacgt attgcctcac agttcaacta 360
 caaagactag gcaacttaag gaggataaag cttgtattac tgaacctttt tcccattcgt 420
 tcccattctag cgatgaagag ctgcctctat acgaaagaga gtcataagga aatttgctaa 480
 cgattagaac gatgtagggt agcccagcac atgaattgca tgatcgtcgt agagaaaata 540
 ttttttaagc caagtgcctc atacaccgga agtaatgctt tttgatcatc gatgggtggga 600
 gtttaactaa cgggattggg ctaagctggc ttccaaaaat aaatcggaga ttaaagccaa 660
 tccctctagc aacaaacttc aaagttgaga ctttattttt ctttcgcca aaatggtgtc 720
 aacttttttag gatagcgcaa ctccatgttc ttttgtaaa ttcataactc gggctttaac 780
 ctgtcccaca atccgtgggt tctctcttc tatgactata ccgacctcga tgcttctctc 840
 tgccccctt tgcttcaactc atttctcgg 869

<210> 2825
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 2825

agcttgacca atccccagccc aaccgaggca tattcgggtca gtgagaacct gtgatgtacc 60
 taagcaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca aagcaaggag 120
 gcttgcggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg tctctggtaa 180
 tcgattacca aggggtgggta atcgattaca aggcttaaaa atgaagacag gaggctaaga 240

tggtctctgg taatcgatta ccaaggggtg taatcgatta ccaggcttga aaacgaagtc 300
 aggaaactaa gggagcctct ggtaaactcat taccacctg tgtaatagat tacacacagg 360
 gatgggtcac c 371

<210> 2826
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 2826

atgataatga aaatattttc acaacagacc ataatgatgt gatagctaca gacaaatcga 60
 aacccttgt caattaaatc gaaggaaatc tgtctaagag aaaaacacac aaagtttata 120
 ccaggtcac tgtaccatct agactacatt cagatcttgt caaaccacta agttccacta 180
 acttataaaa gctacaagct attttatact gctactcctg aatcttacag acacaagctc 240
 tacccaaagc ttgattttta cccagtattc tatgatctac ttagtcatag tgggctctaa 300
 acaaattaac atgaatctgc gttgaaaggg gcttaatgac taaaagatta tcgtcctaca 360
 gacagatatt acactcgact atttcggtga ttctctcgag aatacaaat 409

<210> 2827
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 2827

gcatgcaagc ttaaagcact aaaaggggga aaaataatga atatttacta ggacagggtg 60
 tatcgatcc cgtaacaaaa gtaagcctct agaaatgaaa atgaagctac ctcgttaact 120
 atagcaccta agacatagga aaatagccac tcttgagctt tccccgctgg acatgaaggc 180
 ttgctctct ttggtttccc caataaccaa agttgaagac ctggcaagtg tgcttttggc 240
 cggctcacct agagaaaagac ttctcccaga catttcaaaa tcagatatat ttaaggcagc 300
 tgccatactg aatatccctt caaacatagc atctttacta catacgaatg gctcattttc 360
 aa 362

<210> 2828
 <211> 281

<212> DNA
<213> Glycine max

<400> 2828

gtcaaacggt cttttttttt tctactgtag accttagcaa gagctttcgt attttaaact 60
gttgtctctg aacaataaaa tctcgctata ttctcatcat gccattatgt tttgcagagt 120
ggaacactag cattccgatt ctgaatgatt ggcttatata ttgcacagct ctattcactg 180
ctgttttacc ttaggacagg tgggtgacttg agttagtctt ctatgggaac ctttatatac 240
gacgatgaag aaatcagcgt tgattgtctt ttgaaaactt c 281

<210> 2829
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2829

cttatngcaa caaatcaaca tgtgcttgct tatcgaacac atgcacattg agcgcatagc 60
ataatcagac aacaaacaac aacaacatt tgcacttaaa tcaactaaca caaatattca 120
tagagtcag agcataaccc aaatcaacct aacatcaaca cacaaccaa ctaacacaat 180
tattaaaçaa gttacagaaa agaggagaaa gacacaaacc aactaacaca attattaaac 240
aagttacaaa aaagaggaga aaaagggtag aaatcctggg ttgtctccca ctaagcgttt 300
ttttaatgtc attagcttaa cgggtcaaat gacttcaaga cggcatgaag gtcacataga 360
acacatnalc cttacatttt cacttcttag ctagagactc catganaaat atgtatncct 420
gagatggctt ccatatcatt gcaagggaag ggttggtgat c 461

<210> 2830
<211> 487
<212> DNA
<213> Glycine max

<400> 2830

tctaaggtgg aacaacaatt gcatagaaac agtcatgaag atgagttcat ctaattttca 60
ctcgcttggt tggaaagaca caaataagaa gaaggaggga tcatcaacaa tcaatctcaa 120
tgttacaact caaagaactc aaaataagtt cgatgaggag ctttaagaaag caaggagcta 180

[illegible]

<400> 2831

<400> 2832

<400> 2833

1192

acattgataa tgtaaaatta ttttatattg ttatcataat cttattaatt ttctcaataa 540
 caactttaaa aatcatattc aagttgatgt tcaacangtt aacatgacaa tgtaatttat 600
 ttttatattt acaatgcata ataatta 627

<210> 2836
 <211> 621
 <212> DNA
 <213> Glycine max

<400> 2836

tgtatgaggg gaaaagtat taaacgttac atatagatac ccattctcca tcttttaagc 60
 gctcaagagc ttcaatcatg tgctcttgat aaattccacc acctcttgta ataggtatgc 120
 atttcctgt gcaagttacc attttagaaa caacagtact ctgtaaaaac aactagaaaa 180
 gcttttcagc atattttgat gcatatatta ataaacttca acccaatcat atgaaataga 240
 cagcagtaaa gcatcacagt aagtattaac cttccgattc aaacattggt agcctagtga 300
 agtgaaatgg gtttaattca atgctactga actatagaca aagacaacac acaaaaggac 360
 ttcacccaaa tcaccacaat gtaatacatt cattgaagaa aggccttgat agttgataaa 420
 cagatttggt atattcaatg acatttttgc caattctggt tttctttttt ctttttttga 480
 ttcagaatta aattttggga gtcgaaag a tactaaagtg ctttagctgc aaatttcctt 540
 ttcaacaact tttaagcaac agatctgttg tggttaaagta ttgtcccaag atgaaaagaa 600
 acaagattga ggatctatgt c 621

<210> 2837
 <211> 579
 <212> DNA
 <213> Glycine max

<400> 2837

agcttatcta attaatctga aattgagaga aaatgattat taaacacaca aaatgtaaatt 60
 actaagtatt tattacctat acttaacaga aaatacttat aacattacaa aataaccata 120
 aattgggaga gtttgataca atttatacaa gttttataca caaaagttag ttgttttcac 180
 cgactaacaa ctcccccaaa tttacagttt tgcttgctct caagcaaaaa gagaataact 240
 tacttttcct caagtgacaa tgacatgtag tgactatgta caaaggtgta tgctacaaag 300

tgactaattt catgataaga gaatggagta aaatgccctc atcacttgtc tttcacaagg 360
 tatgcagtta tccaaagaga agaataaaat gtaacctgaa cagatagatg aagttaggca 420
 taagataaat atcaaggaaa gtagcttaaa ccacagtctc atgggtactg tttcactcaa 480
 gcacaagtgt ttaagctatt cattaatgac aactagcaag agatccaatc tttgaatttc 540
 atctcatgcc ataaagtcaa aaatgtataa atagaatca 579

<210> 2838
 <211> 527
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2838

tcttagtctc agctgatgaa gatgaatttg tggctacttc atgcactcct ctaatgacaa 60
 tagcatcatt tctggcacta aattgctggg agttggaagc catcttctca attaaatttt 120
 tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tcatgaaatg tatgtgtggt acgataggta gcaaaaatac cttatcaaattt tacgtagca 240
 aaatgccttg ttgatttaatt tagcaaaata ccttggttaatt ttgtagcaaa aaaatagtaa 300
 tataccttga ctatgcgtat atgtatttct taggtagcga aaaatgcctt gaatatgcat 360
 gtataagtgt ctctaggttt acatttggaag agagtcgtan gccgttggtg ctgcactttg 420
 ctttaaaatg gcacttcctt gtaaaatgac tttccaaatg ttggcttttg taagaaatgg 480
 cccaagaaa gctttccaca aagacatcca agaaagacgt caccgaa 527

<210> 2839
 <211> 571
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2839

agcttgcccc caagtcccat aattgttggg cctctttcaa cagctgattg ttacaaataa 60
 ttttgctttt taatctccct tctgcttcca attttatttt tttgatcagc gaaggtaatc 120
 tataaattaa ttggagtacc agaagtactt aatagtacat aaaggaccat acaaattggtt 180
 ccacaatcag acattgatat tctgaaaggg aaccagagta tggatatata tttgctatga 240

aatttacaat aaataggctc gtaacaatgt aggtactac tgatacaaaa agctttgtgt 300
aaagctgctt gccattgat tgaaatggac tgtgaaacct ttctcaaaac cccttagcca 360
agaccacagt agaaaagtcg catcttcaaa tagtgcatta gcattgaaag tggcattgga 420
gaacactatg ttgtttctaa gcttccaaat agaccacgtt aaggctaacc accagtattg 480
ccatctgttc atccttactc cagcaagttg tacacccaaa tgttgtanga aatgctgctt 540
tgggcttaat gggaaagcac cttttatgtg c 571

<210> 2840
<211> 110
<212> DNA
<213> Glycine max

<400> 2840

cgagcgacag taggccttag aatcatttta ctatagtgat catagatgtc gtgatgggtg 60
cgagctcctt gaacgacatg tgtatgatgc tgggtgcacct ttctcttgc 110

<210> 2841
<211> 521
<212> DNA
<213> Glycine max

<400> 2841

agctttcttat ccaaggcaca tcttgggggt gaagctcctt cttccatggc ttattcctta 60
atggatagcg cctcctctca cctcctttcc tttgtcttcc gctgcatctc catgggggaa 120
aatcaccatt aaaggacccc attgaagctc aaagatccag cctccataaa agccccacaa 180
gcaagcttcc atcaagtggc atcagagcac aagagcttca agtaggtgct ccttaaacct 240
ccattaattt ttttctttac cttctcttcc attggtgggt cttcattttt ctccatgtat 300
ctctcacat gtcttgttct aaatgttggt aacatgattc tttagagttt ccaccgatta 360
aacttgctat agaagttaga tttgattttc tatggttcaa atttcttggt cttgttcttg 420
aaccatgaat tgtgttgagt ttacgctcct ttgagtttgt cttgttattt tttgtggctg 480
aatcctaaac cataaaattc ttacaaaaat attaaagtag a 521

<210> 2842
<211> 534

<212> DNA
<213> Glycine max

<400> 2842

tgctgtccg atgcagcagt aatgatggcc cgagttatgt tggggaacgg ttacgaaccc 60
ggaatgggtt taggcaaaga caacggcggc ataactagct tgataaatgc caaaggaaat 120
cgtgggaagt atggtttagg ctataaaccc actcaggcag atataaagag aagcatcgcg 180
ggaagaaaga gtggtggtca aagctcgag ttgagacaag aaagtgaagg aagtccgccc 240
tgccacataa gtagaagctt tataagcgcg ggtctgggag acgaaggcca agtggtcgcg 300
atatacgaag atgatgttcc gactacattg gatttagtac gaccatgccc tcctgatttc 360
cagctaagaa attggctagt ggaggaacgc cctggcattt acgcaacgag cataatgtaa 420
acctttacgg ttttaaaagc tctataattg ggcctaggct ttaaagtttt tcttttgta 480
aggctttgtg tcttttgttt ttgaatttat aatacaaaga ccttttcttc atct 534

<210> 2843

<211> 503

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2843

gcttncaaa cattcaagta attccacatc caatcatcat ggactaacia aaccaagcaa 60
aacagggcaa aagcagaaaa ctttgcccaa aacacaactc aaaatcatag cttttcacat 120
acaaataccc cagtaacatt tccttcgttc caattcgta accggtggat tgactcaaaa 180
attttactgg aagtctctag tacataagtc tacattatga ccgttgggat ctgctaccaa 240
atgtgcagaa ccccatatgt actatccttt tcacaaccag ccatacacia gcatttttct 300
gcacttatac aaaattctgc tgcacatttc aacaacaaaa ttctgcataa agtgcagatt 360
tcgaaaacca ctctttccct catccaattt tgcccaaatt gaatcctaca agtcccaa 420
catgtaccaa tcatgtctaa aacaaggaca agcttcagac caaagcaaca caaatctag 480
gtatcaaaa cccctcaatt aat 534

<210> 2844

<211> 627

<212> DNA

<213> Glycine max

<400> 2844

tctatagaag gtctgtccct aatttctcta caattgcatc acctctcaat gagctagtga 60
agaagaacgt ggcatttacc tgggggtgaaa aacaagagca agccttttct ttgctcaaag 120
aaaagcttac taaggcacct gttctagctc ttcctaactt ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt accaggtggg caccctattg 240
cttatttttag tgaaaaactt tatagtgcc aacctcaacta cccacctat gataaagagc 300
tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360
tcatttatag tgatcatcaa tcacttaagt acattagagg gcaaagcaag ttaaacaaga 420
gacatgcaaa atgggtagag tacctagagc aatttccata tggtatcaaa tacaaaaagg 480
gaacaacaaa tgtggtagtt gatgccctct ctaggagaca cgcattgttt tgctccctag 540
gagcccaaat tttaggattt gataatatta gggacttgta tgctttaa at gaacatttct 600
cttccattta cgagagttgt gggaaaa 627

<210> 2845

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2845

cataatctac attttctctt gacgaggaat tgccctgaag cttgaccaca cttatccaac 60
aagccaacaa tgcaattaat tttaaaaata gaggctttgc aaaacaacat aatctttttt 120
ttaaagggac tgaattggaa aaacttgctt ccttaaacca caaatggggg acaaagcacc 180
aaaagaaaca agtcgatgaa agcccctact aagaacttca tcagcaaggt aagaaaggat 240
tgaaaacaac aaatctgctt gtccggacccc acacacaaga gaagaagcta actggttttc 300
cattgataag aaagaaaagc ttagttgact tgaggaacac acaaattccag gaggcaaaag 360
tagaattaaa cttanaataa cttatgacat gaagtagtcc aatccgtggt atcaaaggca 420
ttaccagtgt ccaagcttct aaatcatatt accac 455

<210> 2846

<211> 340

<212> DNA
 <213> Glycine max
 <400> 2846

gtaacgtcgg caacgacaac caggacatgg atagcttagt gacgactaga aaatgatatt 60
 tcatatggct ttagcgaaat catctttgaa gactccacac atttcaaaaa cggcttttgc 120
 gaaaatgact ttggaacctc agaaatgatg atgatcttca ttttgaaatt tcacagtcaa 180
 ttttgacaaa accattttgtg aagtgtgttc agtattaaca agaatgtgac tgcattctatt 240
 aacaatgaca atcattttcat agccgactca gataacgcat tgtaaaagat gcattttattg 300
 actaggatag gcagaggaga ttgaaaatga gtttcatttt 340

<210> 2847
 <211> 306
 <212> DNA
 <213> Glycine max
 <400> 2847

cagcttttgag caaattcaaa cgacaataac ttttgaatct gatgcccgat tgggccccat 60
 aggatattaa gaccctttta tttgaaaacg gaagctctta caaaaatcaa accacattaa 120
 cttttaactc gaatgtccca ttgagcctct ttattatata gagacgctgg aaatttaaac 180
 cagaagctct ttgaaaaaac aaacgaccat gactttccac tcggatgacg gaaagagcgc 240
 cgttatatat cgagacgctt gaaattgaaa gctgatgttc tgaggagatt cctacgacaa 300
 taactt 306

<210> 2848
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 2848

tcagttttca attacgagcg tctcgatata ttacgggact caatcatata tccgaattga 60
 aagtttttgt cattcgactt ttcatagagc ttctgttttc aatttcgagc gtcacgatat 120
 attaaagggc tcaatcgac attcgagtta aaagttattg tcgtttgatt tttctcagag 180
 cttccgtttt caattaccag cgtctcgata tcctacgaga cacaatcgaa catccggctt 240
 aaaagctatt gtcgtttgaa ttggctcaga gcttccgtgt tcaattacca tcgtctcgat 300

ttattaccgt actcaatcgg acatccgaat tgtgagttat tgtcactaga cttttcatag 360
aaatttcggtt ttcaatttcg agcgaataga tatattagag ggctcgatcg gacatgcgac 420
ttaaagg 427

<210> 2849
<211> 488
<212> DNA
<213> Glycine max

<400> 2849

agcttgccaa cccatggaag ctctaataat ctcccacact ttttggggtg ggccattctt 60
ggatggcctt gattttctca aggtccactt ggaccccatt tctaccaact acaaacccta 120
agaaaactat attatctaca caaaaagtac acttctctat atttgcatag agggtggttt 180
tcctaaggac tgaaagaact tgcctgagat gtcctaagt atcatctagg ctctactgt 240
acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc ctttaagacat 300
gatgcataag cctcataaag gtgcttggtg cattagttag cccaaaaggc atcactagcc 360
attcatacaa accaaacttg gtcttgaaag cggttttcca ctcatcccc tttttcatcc 420
tgatttggtg ataccactt ttaagatcaa tttttgaaaa gatattggca ccatgcaact 480
catcaagc 488

<210> 2850
<211> 593
<212> DNA
<213> Glycine max

<400> 2850

tatcgtcac gattacatgg ttctttttta gactgggtga tttttcagga gtctctactt 60
caatcgatta ctagtagata taatcaatta cttctctctt aaaagtgttt tagaagtgat 120
caagaacact ttaattgatt acatcaagaa tctaattaat tacattgttc ttgaaagtgt 180
tccagttttt gggaagaaca ctttaatcga ttgaaatgat aatataattg attacttctt 240
cgaaataatc aatgacattg tatatttaat cgattacagg tgggtataat tgttttctct 300
ataaatagcc accatgtgtt ctcaattcga acaacttctg aatgagatag aattacgagc 360
tgatattagt aaaatgaaaa aaagaagaaa aagttcttag aaacaatgtg actcacaact 420

tctaattcttt gattatgaag atcattttgt gaaaagtgag ttgtgaattt ttcttgagtt 480
 caagaaggca cccattcatt caagcccaag tcttgcatat gtttgatcag ggtttgtcta 540
 tctttggact tacttttcgt ggggttacac attggtagtt tgtgcatgaa ttt 593

<210> 2851
 <211> 544
 <212> DNA
 <213> Glycine max

<400> 2851

agctttgaga tttaagagga acaagaaata ctattaaggt tatggggttg caaaggaaaa 60
 aagagaaaat gaagatgaag ataaaaaac tcaccctttg tgatgattgt tatctggcaa 120
 tatttttatt ttattaatga aggtaacttt agacggatga aatgatcatt ttgaattaat 180
 ttaaaaagat aaaggattaa actgaaaaaa agaagataaa acactaaaca agtcatttgg 240
 ccttattatt atttttaata tttattatta ttatgttaaa gctgaaatat aatattgggt 300
 ttcataatac aatgatttca agtaaattta ttttattgta ttatttctaa tttttaaaaa 360
 agatgtgtat ttttaatttt tgaaaaaata tgtattattt ttattaaata taagactaaa 420
 aataatattt aaattaaaat taaaactaaa aaatatcttt aaggacaaaa ttacgcttta 480
 ttctcaagga atttgatttg attttaataa ataatgagc ctataatttg caacgacatt 540
 cata 544

<210> 2852
 <211> 618
 <212> DNA
 <213> Glycine max

<400> 2852

ggaagcgctt cctaatactg gagaattgggt ttgggatgaa aaaatggaag gccaacgttc 60
 accaatcact acaaacagga aatcgaaaga tgtagagagg ttaggcattg gaaaagagag 120
 gtcaggtgca agatttagag tagcatttta aaattaatct aagccattaa tttaaaatga 180
 aatagaagat tcagattgag agtaatttga aacctaacat gatgaggggt aaaaagaatc 240
 ttaattgacc tttagccttg atcaaccacc caaagtgata gcttcaccaa gtctagaaca 300
 tcgatctgag aaattataat tactttatat ataattgaac aaaagaaaat agtaggttca 360

atctcatccc tccaaattca agaataagaa aaatgcagat acatgtgtgt gaatatatgt 420
catagaattg aatagattgg gttccattcc attctatcct ttcttttgta atttacagaa 480
atTTTTTTgg tatatatgta ggttaaataa tgtaacataa ttttattgcc attcattttt 540
ttccaattaa ttttatttca ctaattaatt cataatttac tccttttttag agataaatga 600
aaatgtttat gatgaatc 618

<210> 2853
<211> 538
<212> DNA
<213> Glycine max

<400> 2853

agcttctact tatgtggcag ggcgggcttc cttcactttc ttggctccaa cgcgagctct 60
gaccactggt cttccttccc gcgatgcttc ttttcatgtc cgctgagtg ggcttatagc 120
ctaaaccata cttcccacga tttccttggg tttttatcag gctagttatg ccgccattgt 180
ctttgcttaa acccatcccg ggttcataac cgttcccaa cataactcgg gccatcatta 240
ccgccgcacg ggacagacaa ggttgcccaa agagggagtc cacggaggaa atgctgacca 300
cctcaaaaaga ctggaaagcg gtttctaacg attcttctgc ggcttcaca taaggcatgg 360
aggatgggca gcttaccaag atatcttctc cgctgacac gatgaccaag tgcccctcca 420
ctacgaattt cagcttttgg tggagtgtag aaggcacaac tcccactgag tggatccaag 480
gcgccccaca ggcagctgta ggggggttaa tatccattat ttggaagcga cttgacag 538

<210> 2854
<211> 664
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2854

tcaagaataa tcnagtttca agattcaatc aagtttcaag actcaagaga agactcaatc 60
aagataagta ctaaaaaagt ttttcaaac attgagtagc acaagaattt ttcacaaaat 120
cttttaccaa agagttttac tctctggtaa tcgattacta gtagccagta ttgttttcaa 180
aactgattta caaagctgta atcgattacc ataatcatgt aatcgattac caatgtttta 240

aaacgttaag atttcaaatt tcaagagtta caacttgtgt ttaaataattt tcaaatcatt 300
 ttaaacttgt gtaatcgatt acacaatact tgtaatcgat tacctaagct tctaaacggt 360
 ttaattttca aaatttataaa tgaagagtca catctgttga tgtgtaatcg attgcacctt 420
 aatgctaatac gactaccagt gactgatatt gaaaaatata tttccaaaag tcacaattct 480
 tcaagtgact tatttctgaa gattttttca aaagtcacaa ctttttttagt ggttacgttt 540
 taaagaaatt gtcaaaagtc acaaactttg acttgagtca tcaagagatt ataaatttgt 600
 gaccatggca tgaatttcat aatcatctaa ttatcaatca tctttgaatc atctatctat 660
 caat 664

<210> 2855
 <211> 978
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2855

ggcgcgcggg gggactctca ccgtgggntn ccctctctc cttaacattg actacaggcg 60
 ggccaagcta gtagtgcaac ctccccgta gaaccgggag tgtaacgtgg agacctctgc 120
 cttctcgaga gatctgagcc cccccctcg ngacaagctc tcngcccatg aaggaaaaaa 180
 aattcttttt aggtgcgggg cgtagccggg ggaagcggag aatatcacta tcgtaaatac 240
 cacaccgtcc cctttggtaa agcacggtct tcgcgcaaca tcttaataata gtcaggggagg 300
 gcgaactctc atacggaaga caatggagaa tttgaacca accttaaaaa gaaacaggga 360
 ttctcccgtt cgacaaagaa gcaaaacacc cttaccagc ccgttcgggc ccctatttat 420
 aatttttaat aatcacctac tcataatgcc gaaaggcgga gatataataa ttgtgggtttc 480
 ataataacaa cggatgtccc aggaaatgtc actgcaatgg ggcgatttct caaacccctaa 540
 aaaaggatgg ggaatcttta cattcttga aaaaaaacg gaataatttt caataaaaca 600
 gcacgaacca accacaatat tttaacatgca aaattcaggc ctacaaacaa atcttttata 660
 gggaacaaat aacggtctat ttctccacga atctcggact ggagcttatt aaataaaatc 720
 gggcttgagt atttgggagg gacattctac acataccgct tcttacgact taccaaaacc 780
 ttctttgaag acagcactgt gggagagata attttctaac aaacactttt ttagaagagg 840
 ggggtgtata aagaaagagg ttcaggcctc acttagccgc ttttatatac catcgctcga 900

cctgcgaatg caaatcttct tcagagaatt accatcgacc atgacctctg ggatgcta 960
 caacctgctg ctgtaccg 978

<210> 2856
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 2856

tagaatgatt gcacttcgtg ctctatcttt catctttgat gtcccccttg agcctttgag 60
 attcagacat cattccttct actttaagag cttatgcaca accatgttga atccagattg 120
 cttacatctt gaatcttcat aaccctaaagt cattttcccc tgaaaacttc tctatatcat 180
 attttgtggg tcccatcttt ctgatcctg aactattccc cacagacagc gccacttgtc 240
 ggttcttttg aaaagtcccg caactcttaa acctgccc atgcagaaca tgaacctgag 300
 taaatatcat tcctgacctt ttcagtggag ctagaacccc aagatgtaca tggttcacca 360
 ctctgcctac ttacaatcat cacatcggtc acgaaagtgc caatttcatt tcaagccaac 420
 tggctaactt tggagctctc tttgcttt 448

<210> 2857
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 2857

cggcaggatg tttcaatgga ggaaaagaaa gagggagaga attatatatg ggggagcacg 60
 aaattgaagg aagaaaaagg gaaagaagtt gaactttgag ttgtgtctca caagactctc 120
 attcatcaaa gttaccacaa gttttacaca tgcttctatt tatagactac ggagcttcct 180
 tgagaagctt tcttgagaaa acttccttga aaagcttttt tgagaaaact tccttgagaa 240
 gctagagctt agcttcacac acccctttta taactaagct caccttcttg agaagcttct 300
 t 301

<210> 2858
 <211> 615
 <212> DNA
 <213> Glycine max

<400> 2858

ctctagcctg ctcaatgggt agacatgata catgttcaag gttcgggtctg gtttcaagac 60
tcaagagaag actcactcta tatccgtgtc acaaagtctt tcaagacgat gaggacacta 120
tatgctttca cggacatggt tgccccctgag tgggtcccttc tgggtatcaa ttacttggac 180
ccgggatggt ttggctaact gatttactac tctgatatcg attaccataa tgatgtcatc 240
gattacccat gttttaaaac gtgcatatat cctatttcat taggtgagac ttgtgattaa 300
atatttgcaa atcattctaa acttgtgtaa tcgattacac tatacttgta atcgattacc 360
taagcttcta aacgttttaa ttttcaaaat ttaaaatgaa gagtcacatc tgttgatgtg 420
taatcgattg caccttaatg ctaatcgact accagtgtgact gatattgaaa aatacatttt 480
ccaaagtcac aattcttcaa gtgacttatt tctgaagatt ttttcaaaag tcacaacttt 540
tttaagtggg tagtttttaa gaaattgtcc aaaggtcaca aactttgact tgagttctca 600
agagattata aatat 615

<210> 2859

<211> 513

<212> DNA

<213> Glycine max

<400> 2859

agcttgtagc gtttttatag attgttatag aagctcttaa aagctgtcct gtaatctgtc 60
accataagct aagcagtagc cttcatcatg aactatTTTT tgtactatct gtcaattcat 120
atacatatat atatatatat atatatatat atatacatct cagcaaacta aggttgagga 180
tccttttttg gtgcatatTT tcatactcaa acatttcaag taattctaaa gagtctaaac 240
gtctaaccat tttaattcat ggaatctaaa taagccttat agatgcaaac atccaagata 300
ttaccattca tgataattta atcatttgaa atagcactaa ctgcagataa cacaaacctt 360
attacaattg ctttatctgt atatccttcc ccgcggtcac taaatgaatt tcgcaccata 420
ctcattgggt acaacattta acgaacaaga caacgaatta ataagccatg acaagggctt 480
gaagaaatct atgaataacc ctatggagaa act 513

<210> 2860

<211> 304

<212> DNA
<213> Glycine max

<400> 2860

tcttagtttc agatgatgca gatgagtttg tagctacctc gtgcactcct ctaatgacta 60
tagcatcata tctggcacta aattgctggg agttggaagt tatctttctca aataaatttt 120
tggtcttcagc aggggtcatg tctccaaggg ctccaccact ggcaacatct gtcatacttc 180
tctccatggt actgagtcct tcataaaaaa tattggagaa gaagttgctc cgagatctga 240
tggtgagggc aactggcata tagtttttta aatctttccc agtattcata taggctctgt 300
cgca 304

<210> 2861
<211> 263
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2861

agcttgccctc cttcttcata ctatgtgcc aatattccga ccgaagtctc agtatccttt 60
gtctccatgt gtgtgtatat atatgagaag agatcaaatt tacaccggta taactttgac 120
aactattata ccattctata atttttcaac tgattaatgt gttcttaaaa cttaccattg 180
catcgaaagt tcattttaca tanattacat acccccattt tatattaatc tacaattatt 240
cgggtaccctt atccatatag att 263

<210> 2862
<211> 960
<212> DNA
<213> Glycine max

<400> 2862

ctgttgagac atcgctggcg atgcgaaccc gactactaat ataactacgt catagcctta 60
ttcgcacaat ctgatataac atgtgcctac tttctactga ggactggatt tcatgtcttt 120
cacagtagca caatctaact tccacatacg acttagctat ggtatgacta tacactcgaa 180
tacaccattt gctcatctct gaataagaag atatatacca cagtcgtatc acaagcaatc 240
gcctcttagg tacgaatgcc tctcactga catcactaat tatatacacc ggttgcttca 300

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<400> 2863

<210>	2864
<211>	1070
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
 <400> 2864

ggcaggtggt tggttgtgtg anacntataa tctatgacan tataatcaag tgtgagagtg 60
 ntgtatagan gtgaatggga acagaggtga gagtaggatg atatgaggtg gaattatatc 120
 ncanccagtn ncnncacga gggttgtgga catggaagta gcnacttgtg ganagnaacc 180
 cactcanaat tttggtggag aaaagaccct cnnncacat tnatnanana ttaataatgg 240
 tntgggacct ttccttatat agtgtgtgtg tggtcagnga tcataaaatt ttgggaacgc 300
 ttagagggaa aataggagtg taatattggg atttcgatgg gaacaataaa ttaagggagt 360
 gggaggctct tgggttaatt atggggaatt gaggagagta gaggggatag gaagcgtggn 420
 tggttacaga gattaggaga ggtgttaaga aaagtatggg ggagttaaag ttagaggggg 480
 agattagtgt aggtagggga gataggaggt tttgattgtt tagggataaa gggggtaatt 540
 gttaaaagta aatttaggag ggagtagggg gagaaaaatg tgaaagaggt ttaagaagaa 600
 aagttagagt aggtgggggg gaaatgtaat tgggggaagg agattggaga tgggtgaaaa 660
 ttgggggttg aggtaatgaa ttagaaatga tggtagaagg ggggttattt agacaggtag 720
 gagggacgtt acaaaaatgt tggaggaaag gtggaatagg agaaaaggag gtatgggtgt 780
 gcagtgggtg ttgagaggaa gatgtagagg ttgaggggtg gagaagggat aaagagaaaa 840
 tgggggggtg agggataaca ggggagagtg gtgatgggga gagagatagg aggtttgggg 900
 gatgaagtgg taagtattgg tgtgataagg tgaatgttga gggaatgggg gattagtggg 960
 gaggaagggc gaggagtggg gtaatgggga gagtgaagag aataaatggc ggaggttaagg 1020
 gagtatgaaa gaggaatatg gtggttgttt gtgaggaaat gtgtgggagt 1070

<210> 2865
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 2865

cgacgtttga tgttggtgat aaaatgaaac ctttttttct cttcctttga tgttgattgg 60
 ctaaccatgg cgtggcaaac attttttctt cctctctttg actccaattt tgttttatac 120
 atacagcatt catggaaact gttaaaaacc acattgtttc cggggttatg atccccatac 180
 agggaatttt tacgtgatgt ctttgggatg aaaaatgcta ttggagtgga ggaaacttcc 240

ccttggaccc caaagctatt cttttattcc tttttcttca caaaagtact tttttgatcc 300

aa

302

<210> 2866
<211> 911
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2866

ccccgccccg tggaaccttc cgccacaccc tcccaccccc ctcttcaagt ntaattgcgg 60
atatccttcc ctncnctc cccagccaa cgagagngtg tagactcgtc ggaaccccg 120
cgatcctcta gagaacacct gcaggcctgc catcttagca aaaatagacc aaaacttcgt 180
aagttatcta accctgaacc cagcccaaca agagggaccc gaggatgaag cttaacttta 240
gttattccaa acccaggagg gtcgtctaaa ccaagcctat cccaacaaga gggatcctgg 300
gaccaacctg atgcaagcct ccttggagct tgcattgcta ggatcttcct catcaatgga 360
ttcccttgct tcttgaaga tgaatggcac cggaatgaat aaaggaagag agagaggaga 420
ccccacttc aaggagaaga taagtctaaa agaagccac caccatagga ggccatggat 480
aacaacttgg aggaagaagg agatgaatgc tcggagagga agaaaagagc acaaaacttt 540
gggctctaaa gagctttgaa aactgaagtc taaaattcaa atgattcaca gtcacaaaaa 600
aagccacac atgacctcta tttatagccc aaggggccac acaaaatcgg caggaaatct 660
gaattccatc caaaattcac ttgaatctgc gattgaattt gcggagccaa acttgggagc 720
ccaaatttcc taaatatgat aacggaatct aatatgggcc agccactaa ccagaaacca 780
ctccacaaat tccataaag ggctaagggg tcacgaggcg gcaagcatga aggacatccc 840
acaggggtaa acatgaacgg ccacggggcg cacaaacata aggccatctc cccctaaac 900
aaagacggga t 911

<210> 2867
<211> 282
<212> DNA
<213> Glycine max

<400> 2867

gatgaaatcg tgacgcacta tttgcatatt ataaaagact acaaaatcgt aaaaggctat 60
 ctgtgactat aattgcgga aaaagaaact gataaaaata attaagagtt agtactgcaa 120
 ttgatcccat agagtacatc accgtcactt taggggagcc aaatccacct ctcaacactt 180
 tagattgtag cctatagatt taccatttca ttttataaat cgggtgtatac ggcgacggtc 240
 agaccataag gtgaaactga acaatgaata atgacatgcc tg 282

<210> 2868
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 2868

gaaaatatct attgttacta cccgagatac aggttttgct gctcggccta ttggcaaadc 60
 caactgcac aatgcatctt taacaagcat accacgaacc agagcagccc ccaagttgac 120
 ctcttttga ctctaaaata ccatagaaaa caaggtatgt aaaatgtgca actagtcata 180
 tattaatcag acccttctta aaccataaat taaggcattt tccacagcaa accaggggaag 240
 gcatttcaat gggtaaaaaa ttagacgcca acttttctgc aaaataacat ggtgggttaa 300
 acacagaagt ttcttatgca gtacctagc agtggcacca cataaatgta acaaaacatt 360
 tgaatctttc aatatttatg gtatggctaa gcggaacata cttgcgaaaa tacttaaggt 420
 cacttttagca tgcatac 437

<210> 2869
 <211> 651
 <212> DNA
 <213> Glycine max

<400> 2869

tcataacatt tagctagagg gagtgtgcta gaatatctca ataacatctt aatatcatag 60
 acaatagatt ttattctttc ctatatcaaa tgatgaccac aatcaaggtc acatcaacta 120
 tatttgtttg gaacttttca caatatggaa gatgacgaaa aaatgttgat agtgaccaca 180
 acaatgcaaa attttataat agtatgttac aacggcatat ggggagagga aaagaaggaa 240
 tatacaaggg cccgggcca tgatgcaaca tactacctta atcacaaaat aaacattatt 300
 ttgtcactca gtatggaatt ttgcaatcca caaacaacaa catatgggga gaagaaaaca 360

aggaatgttg tatgatatat atttacaata gttacacgcc ttgactaaa atattttcat 420
 ttttgcgatt ccttgtaaag atcacctttg gatccatact atataatcaa ataaactcgg 480
 ctttataata ataattcaga aataacaaag taaaaccttt tcggtgaact ttggcatgtg 540
 cttctttaga cgtaaaattt ttttcttctt tgacatgtgt ttgtctaacg cggaacaacc 600
 aaagcaaaga cccatctttg gtgggttctt ctcttctttt ggttctttgg c 651

<210> 2870
 <211> 309
 <212> DNA
 <213> Glycine max
 <400> 2870

agcttacggg aaaatctggg acctagccat ggtagaagtc tccacagagg ccatttgcct 60
 ccctcgccca gtattatgat caaccgttga ggtgtttcac ttttggggac ttccagctat 120
 caccatggg ggaagaattt gaagagatcc taggatgtcc tctaggggga aggaaaccat 180
 acctcttctc aggggttctat ccctcattag ctagaatttc taaaatagtc caaatctcgg 240
 cacaggaatt aaacagcgga aagcaagtcg aaaatggggg ggttgaata ccgagaaaat 300
 ctttggagg 309

<210> 2871
 <211> 649
 <212> DNA
 <213> Glycine max
 <400> 2871

cgtatagttc cccaatttat ggtcattttg gagtaaattt tgtaaataaa tcttgtttta 60
 tgattaatgc tgtctctaga acatttccat tggatttaat gatgaaatct gtgcattttt 120
 aggtgaaaaa gagactacgt tttgaattgc aaaaagtagt agatgggtta agctcagcag 180
 ttgggctaag cgcatatcca ccgctaggcg cagcttcagc gtgcttagcg caaaggagaa 240
 tatggcagag catcagcacc aaggtcgcgc gctaagcgcg agatcaatga gctaagtgca 300
 gcaggttcct tcagccaggc taagcgcgag actggcgcta agcccaattt cacttatgcg 360
 cgctaagcgc aacattggga tttcagagcg tatttaaagc ctgtcttatg cagaattagg 420
 gtagacaatg gccggggcac aaaattccag agcagccata agcctatttg gggaaaagag 480

ccctataagc agaaaaaggg gggcagattg tgcattaaag cctcagggtt gtcatttgag 540
agagattatt gagtaaagag tgagtgtgag atgctgagaa gaggaggagg aatccccctt 600
cttgtgtaga aactatcaat tcttgctttt aatttcattt attgttaag 649

<210> 2872
<211> 424
<212> DNA
<213> Glycine max

<400> 2872

gcatgcaagc ttggaagtca aaattagcta accaatgtca acttattttc ttgtagccta 60
agtcttgaca aacaacaatt cattcaccag ttttttcaaa ttcaaaaagg acgaaccaa 120
agtatatcat ttggatctat ggtacgatag atgccagcaa ggtcccttaa agtgatgttc 180
ttcaagctag gaatctaatt tatggcagag tctaaatgac catttgtaa atagtttgca 240
tttgaaaaag aagatcataa tagaaaaata ttaatacata gatatacata tcataaggga 300
cttgctaatt actatacttg gttattagtt aaagaactaa aagaagaaaa tgatattgct 360
tattgaatta aatactacac tgctattgta agacatagtc tgctttttca ccaatatgtt 420
acat 424

<210> 2873
<211> 498
<212> DNA
<213> Glycine max

<400> 2873

cgtgcattca atatacctgat gaggggtgttc catatgttct caagactgga ctaatacatt 60
tgctgcccac gtttcatggc cttgcaggtg aagatcctca taagcatctt aaggagttcc 120
atattgtttg ttccaccatg aagccccctg atgtccagga agatcatatc tttctaaagg 180
cttttctca ttctctggag ggagtggcaa aagattggct ttactacctt gctcccaagt 240
ccattttcag ctgggatgac ctttaagagg tgttcttgga gaaattcttc cctgcatcca 300
ggaccattgc catcagaaaa gacatttcag gcattaggca acttagtgga gaaagcctgt 360
ataagtactg ggaaagattc aagaaattat gtgcaagctg ttctcaccac cagatttctg 420
agcaactcct tcttcaatat ttctatgagg gacttatcac ctggagagga gtattattga 480

<210> 2874
 <211> 486
 <212> DNA
 <213> Glycine max

<400> 2874

agcttatctt aatgaaaaag ggtatgccaa aatatgtatc tccagaagat tgggaattggc 60
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 ataatttttt taatagggtt acacttataa tataaaatca cttatacttt gatgtaggaa 180
 agaagcttga caaacaagc taattgaagc aagcaagaaa taaaataaat tattgaaaaa 240
 atcaattgtg caaaagacat ttgaaatggt agcatctttt aatattttat attagttttc 300
 ttacaagtta tataaaataa ctcatTTTTT attttgtgat tatttttata tgatatatga 360
 aaggttggtg aaatttataa agacattatg cattatatta tattatttaa ttgtttttt 420
 actatataaa tttaataga aaaaagattt aatatctggt gaatgacaaa aaaattaagg 480
 taaaga 486

<210> 2875
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 2875

aagggtgaact ctgatccgaa tatacaccgg gatagcaata ccataagtcc ccaactgatag 60
 aaacaaagta tctagaaatg tgacactaaa aaatatacaa tatctatcag cggtgagaac 120
 aacaccgaaa ctctatcaaa ccccaacctt tcatatcaat gttgtgctga aaaagacctt 180
 aaaccaatca cttaattatt tgcacctcat ccttaggcaa cttgaatctc tcaagtaaaa 240
 gtcatacata cctgagttaa gaatccaatg gttttaaagc atctttttta aacttattta 300
 taaatttttag atcctgcatg aatccatatt atagcaatta aacctgcagg atgactatgc 360
 atattcatga aagggaaagt cctaagacac agattacaac agagataaaa ttcagctaca 420
 aaccggaaat tctcacaaga 440

<210> 2876

<211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2876

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 aacaattcaa caattcaatt tggagaagag gttgtctgat aaaagctttg accattcaaa 120
 atggactatt tcttcccaac cagctcaag aagccaggag gtctcaaata tgaagttcct 180
 accaaaaaat tttctttttg aggcattccag gtagaggaga ataaaggagt gatcagattt 240
 ggcaagaata ccttttgaga atatggagtt cgggaaaaga tccatttaac caatagttgc 300
 aagaacctta tctagtttct cctcaataac atcatgtttt cctctgctac gggcccaagt 360
 gtactgatat ccttccatgg ggagatcgtg aagggttaca ttaaaaatgg cttttcttaa 420
 accatggggc ta 432

<210> 2877
 <211> 1167
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2877

ctgacatata tatgctgagt tacagaatac ttatacctct attatataag acttgaatat 60
 ggatctattg atattaagta agttattata taagtgtctg ctcactgaa cgccnnccga 120
 gattttttga catcctttcc tatgtacnga cactatanaa tactcaaact tccctgtgct 180
 ggaatcaact tgggaagtat cgaaaactgt tgcctttctc atatttaca aactgcattt 240
 ctctttggtg gtgagaggaa tatatgatat atctcacttt taagccatca catgtaaatg 300
 aatatttgcc catggaaaaa aatatttcaa tgtacctaca gtcaagatag gtgggatgac 360
 aactaaaggt tctacacgga aatttatggg tattctctgt agaaagttaa gatccgtctc 420
 ttctaaaatt tgagccatga tccatttggt tgacagcctg cttcttgga taaatatttc 480
 cgagaaataa tgggctcaaa ataaaatttc ccatcaattt gtaaaggaag ccaatttttg 540
 gggaacattt attaccattt gtagtctcga gggtcttaat aaggaatatt taataacaat 600
 gaagttggct ctgaaagatt gggatggtaa tattgtatgc gcaatgaaaa agcctttgtg 660

tttcatagct aattgataca atagaattca cacaataatg taatgaacgc gtaccagaga 720
 ctcaaaatgg atgaccgaga tatatttgat ttttaccctt atgggttaaa atacttgaac 780
 acacaaaagg acttttaggtt agaatgaaac ttatgaagga ttttaactata tgggttgaaca 840
 ataagtgtgt aaacacgttg tgagactttc tgggacctat ttgaaaagct ttgatataaa 900
 tatgtaaaat taaggctctc ccactatcca ggcacttaca aaggctctat aaatatgcta 960
 atagcacaca ttaattatat gcgataatga ctgatcgga aattctttgt ttctgatgct 1020
 gcaaatatga aatctttcgg cggataaac aattagcaca tgtcttacta ctaaatacaa 1080
 acaactatac tttggctaaa taactcatgc cgcttagaca ctaatacaga ataggtttca 1140
 tatctaatat tgaaatgaga gaaagcc 1167

<210> 2878
 <211> 881
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2878

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 actcgcgcaa acatcacgaa naaagagttg acacgtgcac ccccnntt tnaaaanccc 120
 ccaggcntca acncggaacg tcacggagaa aacacttttt ttttaggaac acgggaaaaa 180
 aaccggggga ataataaaa gaagtgaaaa ccgaaagagg taaaaataag gaaaacgggg 240
 aggaaggccg agaagagaga acccgggggg agcgggagaa aggaaacagg gaaaagaaca 300
 gaaagaaaaa aagggaatg ggacgtaggg ggaagaggga aaagcgtcaa acgaggagag 360
 agactcgcg acaacaagaa aacaggaaag gaagcaaagg gcgaaagggg gaaaagggaa 420
 cgaagaagaa aggcaaacag aggacagcgg aaccgcgggc agaagagaag gaggaaggc 480
 ggaacaacgg gagaagaagg aaactcgcat aacgcagaag gaagaaatgg acgaaaaagg 540
 ggaaagcgga aacagggacc aggagcgagg aggccgaaca gcggaaggga gacagaggac 600
 gaaaggcgag aaacggggaa aaggggaaag gggagaaaca cgagaaaagg gggggagacg 660
 ggacaagagg cgggggagcg cggaggggag aaagagggga acaggggaga aacagggaag 720
 cagggggaga aaaggacac aagacgaagg aagaggggaa gagagcgaga acgaggcggc 780
 gaaagaagac caacgagaga gaaaagcgcg gaccaaggga ggaagaatgg aggagaaagg 840

gagaactacg cgcaagaac aacggaaaaa aggggagaaa g

881

<210> 2879
<211> 305
<212> DNA
<213> Glycine max

<400> 2879

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tcagaacttc attggaagag gtgaggttgg gatggtttac tagggcattc tacctgatgg 120
ctcaatgggtt gcaatgaaac ggcttgaata atcaaattct caaagagatg ctgtgttcta 180
aagcgaggag gacattgtta agcaccttga agcaccgtaa tctggtgcca ttaaaaggaa 240
gttgcaccat tggaagaacc aatttgggaa attatatatt gtgatggttt ttaaagatat 300
ttaac 305

<210> 2880
<211> 330
<212> DNA
<213> Glycine max

<400> 2880

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agaggatgct tctttttcaa tttgggtcatg gctgttggtg tgacttggat tctatgaaag 120
aaaaggattt ctaaaggaag agattaggac gttttttgca gctgcaggag gcaactgaaa 180
tgagtaagta atctgtgcca ctggtaatgg tgcatatatt tttactttgg aaagagtaga 240
aagtttttat tgaaaaatgt tatgtatatt tttttttcta acctacgtaa ccttgcacaa 300
gttaagtgtc ttttaataatc cccaccccc 330

<210> 2881
<211> 587
<212> DNA
<213> Glycine max

<400> 2881

tctaccctat tttcctataa atagggggag aggtgaaggg aaaaaatgtc cagccctcct 60
ggtaattcga gatcacttga aattagtga aaaaatcggt tccgtgaaga aaatccaagc 120

caaggcactt ccgtaacgtt ccataatgt ttccgtgggt gatttcacga agattttcga 180
 ccgttcttcg acgttcttcg ttcggtcttc gtcgttcttt ggtcttcaac cggtaagtac 240
 ccgaaatcga actttttcaa ttcatctat gtacccttag tggctctcat ttgttttcac 300
 gtgcttttat tctcatttaa ttactttct gtacccctt ttgacgtgct ttagtcattt 360
 acttaagtca ttttctcccc taatcaaaaa taaaataaat ttccaccgat catttgaatt 420
 gtaacattcg ttaatctctg ttaaaatgaa atctgaccgt tcggtcatgc cataaccacg 480
 ttgggtaacc aaatagaggg taaattctaa tataataatt caaatatcc ttttagtaaa 540
 attaatcaca aaaatcaatc ggacgttttt ttttgggatt ttttttt 587

<210> 2882
 <211> 578
 <212> DNA
 <213> Glycine max

<400> 2882
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 ttaacttttc tggtaatttc aaatgggtgat attgatgtag atgcatgact tattttggaa 120
 cttggaagca acaggtctag gaaattatga caaatatctt ttgttgcagc tccctttaat 180
 ttcacagcat aattctaaac tttagtataa ttgtatgca ggtatgattg ggatagttga 240
 ttataccaat tatgatgata tgaaatatgc tgtaagtgtt ctaaacaact aaacctgtat 300
 cttgtaattg ttatcaggat ctgtgtttta cttgccttgg tgtcttttta actagtactt 360
 ttgttctact tctttaactt tgtattctgt tacagatcag gaaacttgat gactcagaat 420
 tccgcaatgc cttttctcgt gctttcatac ggggtgggtgg atattatatt tggctacatt 480
 ctgctttcaa tattttttta gttgcttttg ttaatgtaca tctctgattg gtccaagtga 540
 gggaatatga ttgaggttat tctacaagtc ctagtcgt 578

<210> 2883
 <211> 625
 <212> DNA
 <213> Glycine max

<400> 2883
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ccaagtttag aaacatgaag tgaatcaact ctttctaagc ataattgtac acgtaggaca 120
 cttcataatg ttcctttgaa aaccatgaag tgacctttgg agaggggtggt ggtgatggag 180
 accatgttgt ccttttgccc ttattggaag agtgaccctt tgtaggctca ttttcctttt 240
 gtgatattgt ttttaggggt gtaggtctgt gcctaattgct cttcatcttc ttgccttttag 300
 ttttagccat tgatggaggt taaggataaa ggacgaaaaa gaggttgaaa agggttggag 360
 aagaagatag gatgtgggtt atgtctatta aggtttgaaa aaaaggggtg agtgttagaa 420
 aagtgaggat tttaggtaaa ggtttaggta tttacaagaa cagagaaagt gtatttttgt 480
 ttctaaaaat gttttagaca ctctgtaatc gattaccaag tgttgtaatc gattatagcc 540
 taccctagaa agagttaaag gcctcttcaa aaatggtaat cgattatcaa tcagtgtaat 600
 ctattactcc caacccttaa atcct 625

<210> 2884
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2884

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 cacccatatt gtaaccacac ggcgctgtat tgtatgaaac tgataaacga tgatgatgtc 120
 cacacaatgt taatggggca agagcaattt tttgtgttg gtgcgataga actattatgc 180
 tccgttggaa gaacacccca tggaataata aacttacttc aaccattat gccccctact 240
 catgacgcga tctgtatta caacaggaaa tggggcatgc caccgcagaa caaatttgtt 300
 ggatgcgcgt tcacaggaaa aaatcctaag aaattttaaa ttcccttaac atgtaccatc 360
 gatgaactga aggatttatt aagcaagttg cacctaaaaa gattctccct cttggaaatc 420
 acgaatcaca aac 433

<210> 2885
 <211> 843
 <212> DNA
 <213> Glycine max
 <400> 2885

<211> 435
 <212> DNA
 <213> Glycine max

<400> 2887

tcacatgttt tggatcagct ttggatgtat caaattgtgc ctaccatttt acaaatgcat 60
 tcctttgtag tgatggatat tgattagttt ttttagtctt actgtaatga tattgccatg 120
 aaaaaatcca tgacaaagca aaagtggaga aataagtcta ccggaatttg tgattcctga 180
 gaaattaaat tgttttctaa attgagcaaa tccttggtga acctgctctg ggaaaatctc 240
 cggaataggg ccaaagaaat tccaccattg taagaaccaa tttgggaaat tatagattgt 300
 gttggttttg aaagatatta accatgagtg cttgaagcgg gtgttttggt gccaaaaaac 360
 ctttgtccaa gcattaacat aattccaata ggtataacct acaggatcaa atggtactga 420
 aaattttttc ccctt 435

<210> 2888
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 2888

agcttgaatc ggacatctgt gtgaaaagtt atgtccattt gaatttttca agagcttcca 60
 tttttaaat tgcagcctct caacatatta tgcgcccga tccggacatcc gtgtgaaaag 120
 tcatgatcat ttgaatttct cgagagtttc cgatgtttta tttcgagcgt attgatatat 180
 tataaccctg aatcggacct cagtgtgaca agttatgacc atttgaattt gacgagagct 240
 tccgttggtc aatttcgaat atcactatat gtgatgcgcc taaattggac atccggggga 300
 aaagctatga ccatttgaat ttctcaagag cttccgttgc tcaatattga gcgtctcgat 360
 acgtgatttg cctgaatcgg ccatccgtgt gaaaaagtat aaccatttga atttctcaag 420
 agcttccgtt gttcaatt 438

<210> 2889
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 2889

tttgagaaat tcaaattggc ataacttttc acacggatgt ttgattatag cgcatacgcat 60
 atagagacgc tcgaaaatga acaacggaag ctctcgagaa attcaaattg tcataacttt 120
 tcacactgac gtacgattca tgcttataat atatggatat gctcagaaat aaacatcgga 180
 agctctcgag atattcaaatt ggtcataact tttcacatgg atgttcgatt cgtgtgcata 240
 atatgtcaag aggctcaaaa ttgaacaacg gaaggctcttg agaaattcaa atgttcataa 300
 cttttcacac gaatgtccga atcatgctta taatatatcg atacgctcga aattaaacaa 360
 cggaac 366

<210> 2890
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 2890

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 cacttttagc cagggctgtg gctaatagga ctgatgcttg tttataaag gttattggaa 120
 gtgagctact tcagaaatat gttggtgagg gggctatgat gggctcgtgaa ctattttagg 180
 taaaatgcac aagactccgt cctctagctt tttttatca ttgtttcgat gaaaataaat 240
 cattcgacta aaattttctg attttttagat ggctcggta aagaaggcat gcattgtgtt 300
 ttttgatgaa attgatgcaa ttggaggagc tcgatttgat gatggttgtg gaggtgacaa 360
 tgagggtcac cgcaccatgc ttgaaattga gaatcacctt gatgggtttg atgctagggg 420
 aaacaataaa tttttgatgg caactaacag ggtggttgaa tttattgtga gag 473

<210> 2891
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 2891

accgatact atacacaacc cttagcttga ttatataata tccttgaatc ttcaatcaag 60
 aatttgatat tctgaaggcc aaaaataccg agatatattt aaaaaattat taatctatcc 120
 taataaatac ttattcatat tctcaaattc tgtatcatat cttccattc attatatattt 180
 ttaaaaataa aattatctgt caacaatgtc ataccataat gggtatctaa tctaaactat 240

[illegible]

<400> 2892

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<210>      2893
<211>      1253
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      2893
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1222

<210> 2895
 <211> 533
 <212> DNA
 <213> Glycine max

<400> 2895

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 gcgatggttag ctttgttcca cgatatgatg caccaagaaa tcgaagtgtg tgtggacgat 120
 atgatttcta agtccaaaac caaagaagag catctaatac acttacggaa gttgttcgag 180
 aggttgcgaa agtaccagct aaggttgaac ccagccaagt gcactttcga ggtcaaatac 240
 ggaaaactgt tgggtttcat cgtaagccaa aaagggatag aggttgaccc cgaaaaagtt 300
 aaagccatcc tcgaaatgcc gaagccatgc actaaaaaga aagtctgggg tttcttgggg 360
 cgcttgaact acatcaccag gttcatatca cagctcacgg ctacctgcaa gccgttattc 420
 aagcttttgc gcaaggatca gtccgttcgt tggaatggtg attgtcaaga ggtgtttgga 480
 aagatcaaac aatgtctcat gaacccctg gtactaatgc caccggtggg tgg 533

<210> 2896
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 2896

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 ccatggtgac attccatttt catggctgcg tcatgcgggg tgggtggaatg ggtgttcttg 120
 ctgggccgcg cgcggtggtt gtggaaacac cgcacctaca tgggcagtta caaatgcgcc 180
 accttggcct ttcggcactg a 201

<210> 2897
 <211> 941
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2897

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 gataantttt ttctataaan cncggggttg ttgatgtcat cggatagaac ccacttgata 120

nttataaaga ntntctgactt gggatgtaaa aggagtggaa atttagataa tgcgatatatt	180
atTTTTtatg agcgatgtac gagaaataag gatagtgatg tattagaaaa tatttgacag	240
actgcaataa agttatcaaa gaggactgat aatcttaata agtataatga aatgatatat	300
tgtagtgaaa gagaaacacg tctgaagttt tgtattaaac gtgaacagag aacagcggat	360
actatcaata aaagaaaact gattttatagt aaagtaagaa gagttacgaa aaagacaata	420
ctttggtaag tttgatatga aaaagatgaa ttgtgatctg gacaaatgga agaagtattt	480
aatggtagtt ataactaagg agtatttgaa gctagttcta ttgaagggtgt ataattataa	540
ttttgttttag gaaggactga cgatattttct tagactaagt gaagaaatta aattttta	600
gcggggagat tgtgaagga tattaagatg aggataggag atggaaaagg aggtatatag	660
caaaaggtag tgttatatta aatgtaatta ttttaaagga aattagggaa gagacctta	720
agtgaaaagt aaagagatcg gttattctga aaagcattag atcttattaa agatgtcttt	780
gatggaatga aaggggttta agtaaagaga tattaaattt aaggtagatg aaaaaattgg	840
gcatgttggt taagataaat gagaaaggct ttgttgattg gggaggatct ggatgggaat	900
aaaagggagg ttggcgcggt aaagaaagaa cggtttttgt t	941

<210>	2898
<211>	473
<212>	DNA
<213>	Glycine max

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acaatagtct	ctaaatcaat	tcattggcgt	atcaattcac	tcacttgaat	tacaacatga	120
tagatactta	actgataaat	catatatatg	tgatatgagt	aattaattaa	aactatatat	180
atataggaca	aagatatatt	attgattaaa	tttttaaaaa	acaaaatatt	gttagtgatt	240
atTTTTTTaa	atgaatatat	gtaacataat	tagaattgac	agtaaactgt	atggtaaaaa	300
acacagttat	aatattaaga	aaaaaattta	atcaaacttc	ctatttttaa	tataactatg	360
cttattataa	taaaacatta	aaataccata	attggatttg	gatgtcctaa	aacaactggc	420
actaatcctt	tttaaaaaaa	acttataact	caaattgata	aaagcttatc	aat	473

<211> 1063
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2899

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 atttcctcct atcacagcac aacgcctatt ttggcgctgg aattgctagt ttgacagcc 180
 tgtcaaattt aaatggaaaa gtcttttggg tactattgat aaatcattta tttttggcga 240
 atggactaaa tacctagttt gttatactat caattattaa atcatctttt tggggaatta 300
 ttttactccc attgntttta aataatatcg aaggattttt tatcttttga ttcaatataa 360
 attttgtttt agaatatatt aagctcctta tatgacgaaa tattccccta ctctgccttt 420
 tctctttaat tcaaaacaag ttgtattctc gactatcctt ttcttcaaaa atattttgac 480
 ttttcttaaa attcatttta tttattttct ttattaagaa atcatatcat cttttctttt 540
 taattagtct ttgtaaacta atagaaaaaa ctctttttca gaaacttaca cttctacacc 600
 tccaccagg gaagacaatt tcaactctgtt tactaatgtt cttgtgtgca gaatagttct 660
 cgttactgct aattttataa tccgcacagt aatatgacat ctgctttttc ctatgataag 720
 aaactattct gtgataagac ttcagtcaat tttctttgta ttttatttga aatatctatg 780
 attctacgta ttaatacggg ttgtcttata ataaccttac aacgactcca tctattatcc 840
 aatacaataa gaggggatgc ctatactggg tctttcatga actaattatt tcttttatcg 900
 gagtgctaata taattgctta aatacagttc acaattctgt gtcgacccgt gaattccttc 960
 tccgtacaat aatatactca ctttataact ccatttggg gatcttaccg tctatcctta 1020
 gttctctccg tattgtctac aacttcacac gattctgac acg 1063

<210> 2900
 <211> 190
 <212> DNA
 <213> Glycine max

<400> 2900

agcttgtagc aaccttagac gcgaatcttc cattctgttc tgctgaatg aacaaacca 60
 catagggccca ttccattttc atggctgcgt catgccgggt ggtggaatgt gtgttcctgc 120

tgggctggcc gcggtggctg tggaaacgt tcacctagt gggcagctac gacagcgccc 180
cgttgccctc 190

<210> 2901
<211> 568
<212> DNA
<213> Glycine max

<400> 2901

tatgaaaata agagaaagaa actttcaaaa taaatttgta tattaaacaa attatttttg 60
gtcaccttgt taaataaata tttatttttag tcaaattaat ttataagtta gtcgaataaa 120
cttttataat ctaattaact attagagcaa tttggcaatc atacccatgg ttaaagaagt 180
tatttaacca gtaaaaaaaaa cttttaggaa ttaaatttac ttaaaatatt tataaaacat 240
atatactttt ttagggtaaa cgtatgtact taaaatatat cctttattca attttgtag 300
acatttttagt aattttattg tttcatttta attgtgattt tataatattg atgatgtatt 360
aaatattttt ttcttaatat atccattatc ggtcatcatt aagtgagaaa acaaaaaaaaa 420
gtataaataa aagatagtc aattaatata aaagaaaaaa atattataaa aattgcataa 480
taattttaat aaaatctata atataattac atatctaaat ttctgtacca aaatttgtag 540
acaaataaaa tggagggatt ttatatta 568

<210> 2902
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2902

agcttatggt gaatcaaagg tgattcaaag gtgttttgat gataacaatg atgataacaa 60
aagatgatga caaaggtgat gacaaaaagc tcaaagatca atcaaaggac aactcgagtg 120
aatcaaagat taatcaaaga acaactcaat tgaatcaaga agaattcaag agttcaacat 180
aagaatcaag aagaattcaa gaatcaagaa gaaagtttag agtcaagaat caagattcaa 240
ggctcaagat ctcaacaatc aagatcaaga ttcaacactc aagattcaag aatcaagaga 300
aggcttaatc aagataagta tgaaaagttt ttctcaaaaa ttgagtagca catgattttt 360

ctcaaaacat gtttaccaaa gagtttttac tctctagtaa tctattacca gattgttgta 420
 atcgattacc agtagcaaaa ttgttttgaa aaagttttca aattgaattt acaatggttc 480
 catttaattt caaaaagttg taatcgggta caatgtnttg gtaatcgatt atcattgcct 540
 ttgaacgttg aaa 553

<210> 2903
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 2903

tgttttaaag atttagggtt gttaagatct acctctttgt cttgttctaa ttttgactat 60
 tttgatgtca tgtcaattat cagacacagg ttgactttct cttcatcctt tttatctgag 120
 atggagtcac caaagtcttc ctagggtgctc atcaatcatt tcttgctctt tgagttgaat 180
 gattttcttct tgtcttttggc cttttccaat tctaggcatt ttgatttgaa gtgtccaaac 240
 attttgtatt catagcagat gactagactc ttctcattgt cccttttttc tttgaaatcg 300
 tcatagttag ggatgttaat ggggaagggc aggggaaaag agtactccct cactccccac 360
 cccctaacta accctctatc ctcgtccccg atccttgctg tgagggattt ttttcccttg 420
 ttcccgtccc cgcggtcct cactaacata atattcaaac tcaaataatc catgtattgt 480
 taaactcaaa taaacaacac atg 503

<210> 2904
 <211> 1080
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2904

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 agtgcctatt catcctcact ccagcncnc caggatgaga catggaaaca cttcaaaaac 120
 cctanaaaat tcgagaggaa accgccgagg ctacccccctc aaagaacaac acataatttt 180
 tctactttta taagaaaaac gggtacatgc gcggagagcg gcgctaacac cgcgcacata 240
 aaaagtagac ggcagacaaa aaacgtccgc agcggacaaa aaagccaacg acgcaggggc 300
 ctatggagaa cgaaacgcgc gcagggtgag gcctggcgag agaataataa acgaggctcg 360

aagaggtaaa ataataatat aataatcaaa aaataccttt tagtaaaata aaagcgaaag 300
atcaatcgga cgatttct 318

<210> 2907
<211> 189
<212> DNA
<213> Glycine max

<400> 2907

agcttaggag cctaaacttg tatcttcaat gcaaggaaac atgcttatgg cttggaatcc 60
aaaatttggg tttaggatta gaaaagcatg aaaatagga cttgtttgta agaatttggg 120
ctgccccatg attggtactt ctgcaccta gtaacatggg aaatgctttt caatggtgtg 180
tagatatat 189

<210> 2908
<211> 497
<212> DNA
<213> Glycine max

<400> 2908

atttacattt tcaaagatta catattgggg aatctaacaat aacagacaat cgattgtaca 60
aaacaatgat aggagtaaaa tctagtaaca tcataattta aactcactgc gacggataaa 120
tgacaatcac cataactcaag agcctcatgg ataataataa gatctttcct accctaattct 180
aaaaaaatta gacgattaaa caatttatgt ttggtgacta catagtggca ctaatatgta 240
aatgcaaaaa tgctgacctg gccatgttca ttgaaagtat cgagtccaac aattccaagg 300
tccagatctc cagataacaa ttttcttggt atgtatttgg gcctctaaaa ccaaactatg 360
agtttggatt gctgcagtaa tgcaagagaa ttggtttatg gtcattgtaga gatatagtag 420
attgatggaa gccaaaggaa aaaatagaac gcacatgagg aagcaactca cttaacttat 480
ttctgctttt tggatca 497

<210> 2909
<211> 342
<212> DNA
<213> Glycine max

<400> 2909

agctttgtat ggtagaaggt gtaggacacc tctatgttgg ctaaagccct gagaagacct 60
caccttagga cttgaagtgg tacaacaaac caccgagaaa gtcaagttga tccaagaaag 120
gatgaggact gctcagagta ggtagaaaag ttatcaggat aagaggagga aagacttggg 180
attcgagggtt ggtgatcatg tattcttgag agtcactctg tggactgggg ttggtcgagc 240
attgaaatcc caaaaactaa cacctcgctt catcggtcct ttccaaattc ttaaaagagt 300
cggtcctgtg gcataccaaa atgcattatc cccatcacat tc 342

<210> 2910
<211> 282
<212> DNA
<213> Glycine max

<400> 2910

gccgcagctt tgcttctaca aacacccgga gtgggtgctc ctttaagaat aaggggaacc 60
tataagggtg gagcattttc gcaaaaaaac gtgaccctga ctggtctgcc tatgatttta 120
cctacggaga gggacccgaa tcggcagagc ggggtctggc ttggcatgta cttctaagcg 180
cccgaagaga atttactg acatggtacc acatggcata tacgacagaa acctagtgtg 240
tatgatgcat accgcttatg caatgatcga tatcgattaa ct 282

<210> 2911
<211> 572
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2911

tgtaaagaa cttagaaaaa atcaagaaca agtgcgttcg cacatcattc gcatgtatga 60
tatccactct acaaggtttg aagtaaagga gaccttcaat cctataacgc aacatggcgg 120
acaaaagtgg acagttaact tgaatgacca ttattgtcaa tgcggaaagt attttgcgct 180
tcactatcca tgttcacaca ttaatatctt ttctttttca gtctttgtaa gttcacacta 240
aaattgaaaa aaaaaaactt agaggtacca aattgaaaaa ttacacactt atatgaacca 300
aaaatgaaca aaaaaaattc catgcataaa acttgaaaaa aaatgcaaac ttatgggaac 360
tgaaaataaa taaaaaactt agagacacta aaattaaaaa aaaatgtgaa cttatgagga 420

003401 "9374950

caaaaccata tttaggccta tttttcaact gaattacagt ctattaatat tgacaccctt 480
 tgngtttttt tgggttcttg ctacatcaat ctcgttaaaa gaattttaca tcacacttta 540
 acctcaaaac ctttatattc caataatctc cc 572

<210> 2912
 <211> 434
 <212> DNA
 <213> Glycine max
 <400> 2912

aaaaatgttc agccctcctg ttaattccag atcacttgaa attagtga aa aaattgtt 60
 tccgtgaaca aaatccaagc cgaggcgtt tcgtaacgtt ttccgtgggt gatttcgcga 120
 agattttcaa ccgttcttcg acgttcttcg ttcggtcttc ggtcttcaac cggtaagtgc 180
 ccgaaatcga acttttcaat tcattctatg tacccttagt ggtcctcatt tgctttcacg 240
 tgcttttatt ttcatttcat ttactttccg taccctctt gacgtgcttt agtcatttgc 300
 tttagtcatt ttcttgcta ataaaaaata aaataaattt ccaccgatca tttgaattgt 360
 aacatccgtt aatttctgtt aaaagaaatc ggaccgttca gtcattggccg taccctgttg 420
 gaaacaaaaa agag 434

<210> 2913
 <211> 582
 <212> DNA
 <213> Glycine max
 <400> 2913

ttgttgacaa cactgtggct gcagcattca atgctgacct tgtccaacct ccaccacct 60
 tgctgccc aa attactttga tctctaagta catcatgatg taagctccat tggagcttgt 120
 aggcttagga tcttcttcat caatggattc ctttgcttct tggaagatga atggcagtg 180
 aacggataaa ggaagagaga gaggagacgc cacttcaaag agaagatgag tttagaaaaa 240
 gccaccacc ataggaggcc atggataaga gctttgagga agaaggagat gaatgaagg 300
 agagggagag aagagcacga aattttgtgc tctaaatgag ctctgaaatc tgaagttaa 360
 tattcaaatg atcaaagttg aaaaaaatgc acacacatga cctctattta tagcctaagt 420
 gtcacaaaat tggaggga aa ttcaaatttc acttgaattt gaaattgaat ttgtggagcc 480

aaaaattcac ttaatatgat tagtgaaatt taattatggt tcaacccccac taatccaaga 540
tcaattccaa gattctccac taagtgtgct taagtggcat ga 582

<210> 2914
<211> 559
<212> DNA
<213> Glycine max
<400> 2914

agctttgcgg atttgggtctt caccggcaaa aggatcgaag tgggtctgaa aagaggcaaa 60
tttgggtcatc ctgctttgat gaaaactggg gcaagtgaag aggggtgagaa tgaggagaa 120
acctatgcag tgactgccat tcctatatgg ccaagtttcc caccaacca acaatgcat 180
tactcagcca ataacaacct atctccttac ccaccacca attatccaca aagttcatcc 240
ctaaatcaaa ccacaaaacc cacctaccac acgaccaatg ctaaaccacca ctttttagcac 300
gaaccgaagc accaaccaaa agggaatddd gcagcaaaaa gcctgtagaa ttcaccccaa 360
attccggtgt catatgctaa acttcctctc atatctactc gataattcaa tggtagccat 420
aaccctgtct aggtttcctc aacctccatt tttccgagga tacgacttga atgcaacatg 480
tgcatatcat ggaggagccc tggggcattc cattgagtgt tgtatgaccc taaagcataa 540
ggtgcaaagt ctaaattgat 559

<210> 2915
<211> 539
<212> DNA
<213> Glycine max
<400> 2915

tgctatgtac ccctacgcca aactagtatc atagaagaaa tatgatattg gagaagagcg 60
gcgtaaaacc ggtaaaaaat aagtcaacaa ggtattgcat gcgaacttta tcatagaggt 120
ccgattctct acttggcttg ccaacatcat cataatcaaa aaggccaacg cctaattggca 180
aatattcatc gactacactg atttgaatag ggcattgcct aaagacgcat accctttgcc 240
caacattcat agactagtcg atgggacatc cgagttccag gagcttagct tcctagatgc 300
ttactatgga tacaaccaat tcaaaatgca tgctctaaac aaggagaaaa tgacattcat 360
cactaaagat gccaaacttta actgccagga caagccaact ttagtggagt tgggtatggt 420

aaagtaagtt aatgacaaaa aactccctta ctgagcatca tcccatgagg gaacatgttt 480
cctcaccaac ccaatgagtg gtgctacaag tatatacaaa tatgggacaa aacttttgt 539

<210> 2916
<211> 314
<212> DNA
<213> Glycine max

<400> 2916

gcatgcaagc ttgtaatcga ttacacaaat cttgtactct attaccagag gagaatttca 60
gaaaataatt tccaagagtc acatctgttg ccatcaaagg tctatttata tgtgacatag 120
aacacgaatt tgcgaagagt ttttgagaac acaaaggtct tctcctctcc aaaaaagaaa 180
aattatctta tctctttaa aattccttgg ccaataacct tgcaattcaa taaggaatta 240
ttttgagtgc tccattgttc aatctatctc tttcaagaga gaattcctct tctcttcatc 300
ctatttccaa aaag 314

<210> 2917
<211> 318
<212> DNA
<213> Glycine max

<400> 2917

gacctataa tatacatcac cctatcgtgc cgcagacact ggcccatttt cagaccggct 60
tattttttac tgaggatcac tatgctctgg accttgactt agataaacct ctacttaagc 120
gatagcagtg gactagaacc catgtttaac tcttgtgttg catactttaa catgattaat 180
aactccgacg tctatgatgg gtggccatag atgaatgcat aaccatatgc ataatagaca 240
taagcatatt atggataacg tagcccaaaa aatcgatgac attgtatatt caaccgatta 300
cgggaggaca tagctgga 318

<210> 2918
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2918

cagcttttgt ctcaaaacac attgttttca acattcaaga ctctgggaat caattaccaa 60

gttttaacac aaaacgaaaa ctgaaaataa agaaataaaa acaaataaga atcttttaat 120
 taagaaaaat cagttagcat taaaaaactt ttttaaattt gcaacgttta taaatctggt 180
 gcttaatgat tttgaaaata taaaaggaaa cttaaagcc gctaataatta cctagcttat 240
 cctaatttta ggctgaaaaa ttaaaatgtc aaaaatacc c tattgttttc aaattaaatg 300
 ccattaacat tacgtttgta aattaatttt tatttccaat tgttttcaaa ttaaatgcc 360
 ttaacattac gttttcaaat taatttttat ttccaatcaa ttaaagccta tt 412

<210> 2921
 <211> 584
 <212> DNA
 <213> Glycine max

<400> 2921

tgtttttgga caatagcacc ccacctgacg tcccgaaggt ctctgaccc ccgcaacata 60
 tctccaggta ccactctgtg atcaacgaat aaaagtagga agactgactc ttccacactt 120
 tctcacttca agcttgtagg attatggggg acccatcata tgtggtacta ggggggaatc 180
 aggcgatggt gcaagtcgac tctccacatc cacaatcac acataaatcc accatcccca 240
 gttgtccacc ttcaactgag ctacgtgct cccacgtagc cttatcctc gttcctctca 300
 acaccgggtc cccatcaatc cctccaagct ttcacaacat ccaagaaatt cagcatccaa 360
 acatcatgaa ctatccaaaa ccaagaaaac agggcatagg cagaaaactc tttccaaaac 420
 acattccaat accacagttt tctcactca aatacccag taacattctc tttgtttcga 480
 ttcgtaacc gttggatcaa ctcaaaattt ttactggagg tccctaatac atatatctac 540
 agtttgaccc gtgggatctt cagaaaactt tcataaccca atat 584

<210> 2922
 <211> 917
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2922

agtccgccag aacgatattc accgacattc atatctctct gcttttagat tatatgtata 60
 atatctactn ccacaaggca cgaatgatgc atccctgcga aaccaaaaaa aaagaaccta 120

agctccaaac tctgaactct atacacgggg ggagtattac atacatgtgc atctaataca 180
 caccggaact ggcattaaaa tggctagcgg ggggtcaaaa ctatgggaga tacgggagaa 240
 cgttgaagat accacaagac ttcaagaata ttccccaccc cgaacttctc gggcgatgtt 300
 ctaaatttct tactggcgag gaaaaaagta ctgccaatca aacacaatag ggtggaaaaa 360
 gagaacaaca gtaggagacc tcttatgaag acaacttaag ttaaattccg agggcaaaac 420
 cccttgtttc aactagaaaa cccctccct aaaaaaggag gggatcattc gggacgaaaa 480
 aactcgatag tgctggcgga ttgacctgaa ttctacttat gaaacgcag aattattggc 540
 atccacaaaa ccatcgagaa ccaaggcttt gcatccaca tgagcccaca attgaaaata 600
 tactctcatt tccgaaaaca aaatacaggg agaataaat gtccatatgt agacactacg 660
 ttaagttatt gcatacatcc ccaacgttag gggaaaaatg agccctttaa atatactctc 720
 tccaaaccgt gaaaaaatta gttgttgtgc catattcgac aaaaaatga ggaaccccca 780
 gaacgctatc atgtgggagg aaagatttga cattacaact tgctcggtat gacaacaccc 840
 ctatacttcc tctatggaga agaaaagatg atcttctact ttagaaatca tcttctggaa 900
 gcgaaaattg taaaaaa 917

<210> 2923
 <211> 511
 <212> DNA
 <213> Glycine max

<400> 2923

ctgagccaaa atcctgactc accataaacc ttgaccagg gtagaatgt caattcttac 60
 cctcggaagc aaaaaaaaaag gggagaggga aaatttccca tccaagagga agccaaaaag 120
 gagagaagga aaatttccaa tccaaggaaa aaaagagagg aaagggaatt cccaatcaaa 180
 gagtgggaga aagcaaaaag aaaagaaaga aaattcccaa tccaagaatg ggagaaagaa 240
 aaaagagaag aagaaaggga agaaagttcc cgatcaaaaa aaaataatat gcacaaaggt 300
 ctttgaccg gacaatatct gaacaatata gaattgtcac caaatgaata aaaagaagga 360
 aagggaacca tgacctaaaa tgggtcttccc ctttagttg ccaggcaaaa tcttgtgcgc 420
 tagcaacctt ttttcgcccc gcactaaacc agaacagaaa agggaaaagc cagaaaaatc 480
 aaaagccaaa acacccaaag cccgaaaaaa a 511

<210> 2924
 <211> 581
 <212> DNA
 <213> Glycine max

<400> 2924

taaagatcca acctccatag aagcttctca accaagcttc cattagtgtg tctgcttcgt 60
 aaaggattct gacagctact cgtttattta acgccttctc aaaattccta gtattcaata 120
 tgaaggcacc tatactatga agaagatgac tgaataccag atgttagctc atttgactca 180
 actccatgaa actcatcaaa ataagaaggc taaagaggaa aaagttgttg ttgttggtgaa 240
 agaagatgct gctccatcc aagctgaagc atctgctaaa gctatagatg acaccattgt 300
 atgtgggata atcattgatc ttaccaacac tgggtgcatg gataaaactt ctgaggcatc 360
 taatgcagcc atagctgatg aagttgacca taatgcttta gaacctgggc caagcagtct 420
 acaacttcaa atgatgctac taataaaggc aaacatggct catctactgc aaatttttaa 480
 gaagggata tttttcattg gcatttgtct atatctcaat gcttaacatg gactcatttt 540
 ctttaagagt ttcacaagct ttaaagtgtt gagcggactc g 581

<210> 2925
 <211> 542
 <212> DNA
 <213> Glycine max

<400> 2925

taggctaaat taggccgaac tttcataatc tatttaagct aagtctagtc caacaagagg 60
 gatctaagga tgaaacttag ttttaagttag tctaaaccta agagggttgt ctaaattgag 120
 cccagtccaa caagagggat ctgaggatga agcttggatt gattcagtcc aactaatgat 180
 cgatgttttag taatttaggc tacaacatat aacacagaag catgattgat tagaataaca 240
 cccttatatg catcagctgg tctgttagaa agaccaaca cttctaccta ctgctgttat 300
 cataccctaa tttcgtccgg ggaccatttg tttggtggca tgcaaccttc gcttgactgc 360
 ttcggggtag ttaacaccca tcgttaggca atccgtgaag ttctgcgaca tgcacgaagt 420
 cgaaaggaag cattcttgcg caatccctaa agttcagtaa cattccagaa gtcaaaaagg 480
 ggatgggtgc gtgatccgta aagtttcgcg acatttacgg aagaaaacaa gtatcgttat 540

<210> 2926
 <211> 561
 <212> DNA
 <213> Glycine max

<400> 2926

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 tttggttaga atcccttgtc gcattccata aaatctcttc ttagctttg tcaattctgc 120
 attgatcctt tctagtgcc taaataatta tatatatata tcagcgaaat ggcattaaat 180
 aaaaaaagt tatagtttag ttttttttat ggcgtgggaa cttcttttca tttaacagtt 240
 tgggagttcg taacttttct aatattagtt gcagatagaa attataaaaa aaaaaaact 300
 taaaaaatga taaagcactg agtatgtatt tggaaattga aaatttttca ttattcaagg 360
 tcagcccaaa aagtataaga taatataagt tgatcatttt aggtttttat gtttattata 420
 aatataattct aaaagcaaaa actcagtaat tatttaatca ataataattaa tttattaagc 480
 ttacataaat atatttatct ttgagaaaat ctttcattct attatgagat tttcttcttt 540
 tcataaacat atgtaggga t 561

<210> 2927
 <211> 820
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2927

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 gttgctctga acactctccg caggctgatg gtgatagagg cttttttatc taacccttat 120
 cttcacttga aaaatggcta accgtgggtt tattagcggg ggttgatagg ctgtactttg 180
 agttttccaa aatctccatg aaatattgcc aaccgcgtct tatgtggatg ttctcatttt 240
 ttattttgcg atgaaaaatt cgccccacag tctctaattg ggtataaggt gaagcaactt 300
 tgagcaactt ttgagctgga atgcgcattt tatactgagg tatactgac ctttttttna 360
 agaaaatgcc tgccaacatt agaggtgggt tttggacttt aaagaggctt ttgagctggt 420
 attaccgtct tttgtgtttt tttaaagctt agatatgcac atacctattc caggagaggt 480

tgtgatgtat acaaattgag cgccctacaa ataatttttt ctttctgaca tctgagcttg 540
 gtcgccaaac ttcccttggc gagccatatt gttgggttga ccttaaccgc cccgtgtgtg 600
 tttgggggtt tatgaccccc ccgcccccca cattttggcc tcccggccga ccaatcctta 660
 actggtcccg cccgccccac cttatcgctg tcctctacca tgtgagacca gacgtccctt 720
 tataggcccc ctcaaaaaaa acgccccctt ccccatntgt ctcaacatcg cggggcgtca 780
 ttcccaaata tcccctctcc cccggtatcc gccacactc 820

<210> 2928
 <211> 514
 <212> DNA
 <213> Glycine max

<400> 2928

aaactcagct tcttatccag gctcatcttg gtggtgaagc tccttcttcc atggettatt 60
 ccctagagga tggcgcttcc tctcacctct tctccttgt cttccactgc atctccatga 120
 tggaaaatca ccattaaagg acctcattga agcttaaaga tccagcctcc atagaagccc 180
 cacaatcaag atcccatcag tgaccttgac tggctcctt atgatattac ctagtgcgag 240
 tgacttgact tgctagtgtg tggtttgtct tgtcatgtac tcctaagcgc ccgacgaggt 300
 ttttactga catggtgcca cattgcatat aggattgagt cttagtgtat ttgttgcata 360
 acgcttgtgt attggtctat attgatttat ctgatgatat tgtgttttga ctattgagta 420
 tgccaatgtt ctgaaaacaa atgagactat ggtgaaataa cgtgagttac gctcaagtaa 480
 attgtatttt ggtatataat aattatactt atat 514

<210> 2929
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 2929

tcgccctacg cctccgaatt tatgtcctct tgaacgaacc ccttaaattgc aaaggcaacc 60
 atctctgtcc ccatccattc atttctgccg ccgaacaggt gatctggatc ttgacctcct 120
 tcccctgcat aaaaaggtta cagtaaataa acaaagcacc attgtaacat aaatatgaag 180
 cctgacaaat tcacctgtgc agcttaattct tatatgatga tggaagtttg tctgaaaaac 240

ataaatctta atcttgaaaa actctggcaa caaacctgga agaatcaaga gaagtatatg 300
gagaatgcct gcgctgagaa tgcttgctat gaggagaccg caaaagtgtg ctaaaaatga 360
aaccaccgta ctgacttggt gagtttaaag tatacaaaag ttcataaata caactcaacc 420
tggtacagtg tcaacactcc attggaagaa gccctattac atacatccta tctgtttcta 480
atgagtatga tca 493

<210> 2930
<211> 550
<212> DNA
<213> Glycine max

<400> 2930

tctagccaaa tggacttacc atgaattaat tcatttgata gccccttga gcctatgttc 60
ccctttcttt gttttgaagc tcattacaag ccttaagtga aaaaccatga tatcacctta 120
cccttaagga ataatggagc tttgaaattg ttttggaat aagtgtgtgt gtggtggggg 180
gggctatgtt tcattggaag atatgatttt tggccatgct taatgtttta ttttgccat 240
gcttgatgaa tatatatatt gcctaggtct tgctttaatc ttcaatttcg tactgttcaa 300
tctaaaaaaaa acaagtgaag aaaaattcag tttctgcaa ttcttcaatt tcgtactgtt 360
caatataaaa agaagaagaa aagaagtga gttgaataaa tgacgtcttg ttatgaggac 420
tcgatttggt agccctgggt gatattgttg atattaaaag gggttggtt tactaacttg 480
tcttaatttc cacttattcc ccattggtgc actatttctt tgggattagc tacttatttc 540
atatttttcc 550

<210> 2931
<211> 491
<212> DNA
<213> Glycine max

<400> 2931

ttgatgatat ggtcttcacc gacgaaagga tcaaagtggg tctaaaaaga ggaaaatttg 60
atcatcatgc tatgataaat gccaaaaaaaa aaactggggc caatgaaaaa ggtgagaatg 120
agggagaagc ccattgctgt actgccattt ctatacaacc aagttttcca ccaacccaac 180
aatgtcatta ctgagccaat acaaacctt ctcttttcc aocgccaat tattcacaaa 240

tttattaaca ttaatttata aactttatgt aacactttga caaaaactac aactttgact 480
gatagaggaa acattgtggt tgatcatctg tgcataaatg tgtgttggtg gtgtgccgcg 540
ctaatttttag ttaaacttgg tatagaaata ta 572

<210> 2934
<211> 383
<212> DNA
<213> Glycine max

<400> 2934

tatatggcct aggatgtggg tttgtgacta aattcaattt aaacacaagt cttgcacttg 60
ccacattggt acaactccct ccatcaatga tcaccatgca aactttgcca ttgatcaaac 120
atctaattgt gaaaaagttt tgtctttaac ttttctccat agacttcaat taatgggcaa 180
gtaaccgtct aatcatcaac aaatctccct ccggtgggtt ctacacttcc tctcatcat 240
cctcactctc ttttctcttt tcaacttccg actcactaat gtactctcca tctctaagaa 300
tcatggcttt cttgttaggg cactcatgtg cataatgtcc caagccttgg caccgaaagc 360
acttcacata ccaacttttt ttt 383

<210> 2935
<211> 464
<212> DNA
<213> Glycine max

<400> 2935

ccatgatgaa tcaagattga ttcacagagt tttgatgata acaaagataa tgacaaaaag 60
ctcaaaagtc aataacactt catgataaca aagatgatga tctcaagaat caaagaatga 120
gttcaagatt gaatcaagaa cacttcaagg ttcaaaagga aatttgattt caagaatcaa 180
gaatcaagtt tcaagattca agttccaaga atcaagatca agattcaaga ctaaagattc 240
tagaatcaag aaaagactca atcaagataa gtattaaaaa gttttttcaa aaactgagta 300
gcacatgatt ttttctcaaa aaccatagag tttttactct ctagtaatcg attaccagat 360
tgttgtaatc gattaccagt agcaaaaagg ttttcaaaaa tccttcaact gaatttacia 420
cgtttcaatt gatttcaaaa tgttgtaatc gattacaatg attt 464

<210> 2936
 <211> 584
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2936

tgccctaatta acctaaaatt gagagaaaat gattattaaa cacacaaaat ggatgtacta 60
 agtattttatt acctatactt aacagaaaat acttataaca ctacaaaata accataaatt 120
 ggaggagttt gatacaattt acacaagttt atacacaaaa gttagtcgta ttgaccgagt 180
 aacagtgctg tagctacgct tagtggttaag tgcgagttga gtccataagt tccgcttagc 240
 gcgattgctc ctttaggcac ttcaagactt tagcctcttt tgatttgaaa ttttacagat 300
 tttatcatta attccaatta aagagactcc aatgacaggt atctagacat atcaagattt 360
 atttacaatt tcctacaaaa gaactataaa ttggggaaac tatacatggt ttgaaaaagt 420
 ttttttatac aaaaattagt cgtataagac gactaacaga gcttccttgc catgaaaggc 480
 taaaaccctc agttggggat tcttattgag tagttgatgt aaaattcttt tcatatctaa 540
 ttaaggggnt gttagtgtgt tcaactggctc tatctatgct taat 584

<210> 2937
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2937

gctttatact ttgatgtata tgattgaaat ttaaaataaa tcttgttatc acaaagatga 60
 tttatttcaa atgtcattta accaaacatg tattcttgtt atgaaaatct tcttaagtat 120
 gcattttgat gaaagtcatt atgatgctta gaatgttctg atgcaaagtgt ggtatatatg 180
 acaacaaata acacaattta aagaggaaag aaaaaagga ttcaacacaa ggatttttat 240
 attgacaaca aagtcattat attgattctt cacccttcaa gatgagattt tccactaaca 300
 caaccaacaa tatgttggac cagccaacta ttgttcttac aactaccaac acccttggtg 360
 aactttcctt gccaaccatg gactntacac atctctcac cacaacacca caattgggtct 420
 tagcttggag atcacccact caaccatgac actcacttag tcatggggaga gacaaaccaa 480
 gtattcttca 490

<210> 2938
 <211> 555
 <212> DNA
 <213> Glycine max

<400> 2938

ttaggagaaa ccattaaaac taaggtagtt cctaaacaaa aatcaattga ggaagcttcg 60
 ccgagtgtcc ccattgaaaa acctttattc aaacctttca aagttagtga taaggctaaa 120
 cgaaaaatta gggaacttag aaaaactaaa tccttaattg aaggcgtagg tgacaatcat 180
 agcgaattac taaacaagat tagtagtttg cttaagggtca ttccagatac tccccaagct 240
 tcggaaaata cttccaaaat ggtaacaaga agtacctcca aattaattaa tgttattaat 300
 gaagatagtg accaaaactt agataacaca actgagatag gatcagtgtc agaaaagaat 360
 ataaatccat taaactccaa acactggaaa acccctcca aattatatta tcaacgtcca 420
 actgcccctg accttctatt agaagaaaga ggtgaaaaca actttaaaag ttttagtgca 480
 aataacatct atgaatggaa catagatgca caaacggagt ataacatcat gaatacactc 540
 caacatatga ccatg 555

<210> 2939
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 2939

tagacaatta catatcctcc ttctttgata cagataattc aaaatacttt gtttcatggt 60
 ctgcccattg aagaccctta tgctcactta gctacctata tagagatatg caatactatt 120
 aagttggcgg gtgtgcctac tgatgcaatc cagttgagtc tgttctcatt ttctttatat 180
 ggagaagcta agagatggct tgattctttt aaaggaaaca gtctgaagtc atgggatgaa 240
 gtggtagaaa agttcttaaa gaagtacttc cctgaattga agactgcaga aggcaaagtt 300
 gccatctctt ccttccacca gtttctagat gaatcggtga gtgaggcact catgggtttt 360
 cagaaccaat acagctcaac atattcatag atggggttag accacaatct aagcagctct 420
 tggatgcttc agctgggg 438

<210> 2940
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 2940

tttagccaat tcagacaaca ataacttttt actcggatgt cttattgagt cccggaatat 60
 atcgagacgc tcgaaattga atgttgaacc tctgagctaa ctcaaacgac aataactttt 120
 tactcggatg tctgaatgag tcccgtgata tatcgagacg ctcgaaattg aatgttgaaa 180
 ctctgagcca attcaaacga caataaattt ttaatcggat gtgtgattga gtcccgaat 240
 atatagagac gcctcgaaat gaatgtggaa cctctgagcc cattcaaccg ccattacctt 300
 ttactttgaa gggtggatgg ggcccc 326

<210> 2941
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 2941

ctctgaagtt ttatggtttt ccaaacccttg aaaacttgtg ttattcatct tttcattctc 60
 ttctccctct gccaaaaaga attcaccaag gactaactgc ctgaattctt tttgtgtctc 120
 tcttctccct tatccaaaag aacgaaggac taaccgccag aattcttttg tgtttccctt 180
 ctctcttgtc aaagaatata aaacgacaca gtctgagaat tcttttgatt cttccctttc 240
 cctaatacaa aagtgttcaa aggactaacc gcttgagaat tcttttgcat ccccatcac 300
 aaagtatcaa aggtttaaca gcctcagatc tttgtcttaa cacattggag ggtacatcct 360
 ttgtggtaca agtaaagggg acatctactt gggtttgact gagaacaagg g 411

<210> 2942
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 2942

tcccctgcac caaatggctt tttctataaa tagccatgtt gagggcaggg tttaggggct 60
 ggtaattgaa ggaatataag gaaaaatgca agaagaaagg gaagaaaaaa aaaacaaagt 120
 cgagacacca ccgaatcgaa ccgtggatca ttttctacat cctttctctg gctagtcttg 180

taccctgtgc gacagtcggt tagtttttct taagattttg atgtaattta tgtaccctta 240
 tgggtcctct atgatattat gtgcgcattt atcttctcta attattcgta aggcttaatt 300
 ctagtagatc actaatgtca tgaaaattgg tttttttagt gagactagaa ggtgataaac 360
 acaacaaaaa tgagaacaaa aatccattca caacttaact tctttttatc aaatattacc 420
 t 421

<210> 2943
 <211> 507
 <212> DNA
 <213> Glycine max

<400> 2943

tggttactct acttctccat tcagtttgca ccttctcata ttgtgaaagc ttgcctaaaa 60
 tttcttcttt ttcattcctt gatacatctg ctctgtgac tgcttctctg taatagcaat 120
 aaccattcaa tctacagctt actaaatcac gaatgccaaag aagttgattt cttatcctta 180
 ttagaccaac atacttgagc aaaaatttcg ggaacaatgt gagataagat caaatgaata 240
 aagattttga gtaatgaaat tttttctttt aacttttttg cattccaaaa attctccaag 300
 ttatcaaatt aactgttttc ctaaaagcta cttctgcaac accactaagg gattaattct 360
 acctagtttc tacattgtac caacgacatt ttgccacaca agttgatgac actaatagag 420
 ttagccgtca ttgaaatatt ttactaatct aacaacttag atgactaatt aggaataaat 480
 attaatgaaa ctacaaattt gaaaact 507

<210> 2944
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 2944

ttggagtttc caagtgccaa atcgtcttct tcttttgtcc agtcttcttc tggcttcaat 60
 tcattagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccatacttgc tttccagtat 180
 tcatagctgg ttccatccac aatgggtggt ctgttcactg gtccttcttc tttctccatg 240
 ttcatcaciaa tttatctccc tagatctcac tcagtgaatt agagtgcccg ctctgatacc 300

aattgaaatt ctgatactga ggccagatgt cgtaccggat gtcacgacat cacgcttcag 360
aacatgcaga ttatatttga ctgtctgaca gattaaacaa gttaataa 408

<210> 2945
<211> 635
<212> DNA
<213> Glycine max

<400> 2945

cgcccgaata tacgatgcat cacactcaat agccgatgag ttgctattat caacgggtcc 60
atgcaagcat gtatacgtaa cccgtacaat tataaagagg tccatgccat tcatgttcat 120
tactaacgag tcataacata gattcactgg ttaaaggaag gaggggaaag gaaagatcat 180
gcgattgaat cattccacta acaaaaacta acaactaaa acaactaata tttgtccata 240
aaaaaaatca tattcattac tattatgcct tctaattctt cctgtgtaac ttggtcttaa 300
ttattatgaa agatatctga tacatgtaca aggttggtgt tttcttttgt tacaatccat 360
cattgttacg gttatgccga tgaacactgc cctgaacctt actgctgagt gttagaattc 420
ttggctcttg ccaaaaagaa tcacttatag ctctagtatc aactatgtaa tccccacatt 480
gcataattat gagagatatc ataatttctt tgcttaattg aagccaaaga tcaacgttat 540
taatatggaa gcatgacatc atttattttc taaaaaatag gtacaggtag gatttgtttt 600
caaaaatcct tttttataaa aacaaaatga caaaa 635

<210> 2946
<211> 381
<212> DNA
<213> Glycine max

<400> 2946

tagatgcagt tttctagggtg ttttgggtgt tattctccaa tcataatttg tgttttacct 60
agtaatgcat gtagtaaagt atgtattata gattagtata agctattcga ggtgaaactc 120
caattttgat tatctgtatt taagcttaat ccaagttgaa aatgggtaag gacattgaaa 180
tgttacaaaa atgcttctta ctaaaatata aataaaactt tcatgatatc actaaaaata 240
acctaaactt tgaacaaaaa agttgagata gaaattagac cagattctca taccggctc 300
aatccttct cagtatcaac aaccatattg tgagttctgg ttatctgctc accctgctgg 360

tgcaacatgt caaggggcct t

381

<210> 2947

<211> 548

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2947

ttacagcaga ttntagtaat gaccactaa cctagaatta aaataactta atgccattaa 60

cctaggggaat taaaaaaact taatggctag tgtaactgaa attgtggcaa ccaaaagtca 120

cccccaacag ccaacaagtc agccaccatt tggctctcca aaaggctgat gcctaggttg 180

ccaattgggc ccttattaca acttgaacta aacctaacta aagccctttt agttgattaa 240

cccaaaacat atttttggtc agccaacttt acaaggattg ggccattatt tagacaaact 300

aaacactcta aaattgaaac aaagtgggtg catttagtcc tcctccattt gggccatgat 360

acaactcaca accttggact ttttctcttg aaacttgggc ttgtattcaa acagtatgga 420

caacacttgt tgaagagctt ccttgnctt tcttgcctca gccctcgtca taagtcctcc 480

aagtccttca agtggatcct ttgccttgcct cttgggtcatg tcctcatcat tccgtaaaaa 540

aatattat 548

<210> 2948

<211> 393

<212> DNA

<213> Glycine max

<400> 2948

ttctccgtga ggtacgtacg tcaaaattcg tgtatgctaa gatttggttg gagtgggttg 60

acccgaattg ggagtggcat cggataataa aaaaaagggtt tttgtttgcc aatgtacagg 120

ctccgctgac gtgcgtgtgc tgctgggggc tcttcatcaa ggtaacacta acttctatac 180

ttcatttgac ctatttttatt ttttttgggt agcaataagt aatgttgctt gatttttagta 240

aggtgttatt ctgtttgcac tataacagag aatcaaccat gatttctgta gatggatcca 300

caggggttcgt gaaaatgcct gcaaagtctt taacatttta ctgtccaaca gaggggggctt 360

cactattggg tggtttaacat aattttttgc ttc 393

<210> 2949
 <211> 622
 <212> DNA
 <213> Glycine max

<400> 2949

ttacctat ttt tgtaggcttt tgtggataag taatattatt gtattcctga caaattat ttt 60
 ttacaacttc aaactgtaat tttgcacatc taaataaatc agattaatta actctgtaca 120
 ttccttagtt gtattacggc tatataagtt ttaatttaac taggtgtttg ataccaaag 180
 ccaccttttt atggtaacat gctaaccac cagttccata aagaaacccc aagtactgac 240
 tcaaaatgga aagtattaaa aaacttaaaa tgggcattct gggaacgatg caaaggtaag 300
 agctgtcagg gacttaagaa ttatagctca attcttgaat tcttggttag attatcttca 360
 tgctctatta tgggtgtcaa gttttgacgc agatctttcc cgtgacacaa tcacactttc 420
 aatttctgcc tattctttct ggactggcaa caacgatata aagctgcttc tttttatttt 480
 cggagat ttt taatattcga agccggtaaa ctcaaattct tcaacttatc taactagatc 540
 aacttatagt ggtataggtt acatttccta ttacaattat ggacaatttt gtaccctaat 600
 tattgggtta gaattatttt tt 622

<210> 2950
 <211> 519
 <212> DNA
 <213> Glycine max

<400> 2950

tgtctcagcg tttatgcgag acagagacca acatgttagc tatcatcgcc aagtaccaag 60
 aagagttagg tctagccacc gccacgagc atagaatcgc ggatgagtat gcccaagtgt 120
 atgcggaaaa agaggctaga cgaagggtga tccactcttt acaccaagag gcaaccatgt 180
 ggatggatcg gtttgccttt accttgaacg ggagtcaaga actttcccgga ttggttagcca 240
 aggccaaaga gatggcagac acctactccg cccccgaaga gattcatggg cttctcggtt 300
 attgtcagca tatgatagac ttaatggccc acataattag aaatcggttag gaaacttgta 360
 tggctctca gacctgact agatacgact tcttttttga aataaaatga agtgggtccca 420
 tgttttactc caaaaaaact tgtgccaatc aaatcactcc tacatttcat ctctagcatg 480

catttttttt tctttaccac tcttcacgtt tggttttta

519

<210> 2951
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2951

tgattntgtg agttgatttt aaccttagtt tctattttatt tattagtcaa ttcaattgag 60
aaagaaaaat cccacagaga aacgtccgat tgatttttttt gttttatttt actaaaagat 120
atttttgatt attatattat tattttacct cttttttggg ttccaacgtg gttacggcat 180
gaccgaacgg tcggatttca ttttaacaga aattaacaaa tgttacaatt caaatgatcg 240
gtggaaaatt atttttatttt ttgatttaggc gagaaaatga cttaaataaa tgactaaagc 300
acgtcaaaag ggggtacaga aattaaatga aatgaaaata aaagtacgcg aaacaagtgg 360
ggaccaccaa ggggtacatag aatgaattga gaagttcaat ttcgggaaat ttaccacttt 420
gaagaccgga agaacgacga ataacgaatg atagactgtg gaaaatcttc acgacatcaa 480
ccacggaaat gtttctgacg cgttacggaa gc 512

<210> 2952
<211> 573
<212> DNA
<213> Glycine max

<400> 2952

tctttgagaa aacttccttg agaagctaga gcttagctac acacaccctt ctcataacta 60
agctcacctc cttgagaagc ttccttaaga agattcctta agaagctaga gcttaactac 120
acatacctct ataatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
cacccttat aatagctaag ctcccccca tgacaaaaaa catgaaaata acaaaaaaaaa 240
gtccttatta caaagacaac tcaaatgcc ccgaaataca aggctaaaac cctatactac 300
tagaatggcc aaaatacaag gcctagacga aggaataacc tattctaata ttacaaaga 360
taagcgggct catacttagc ccatgggctc gaaatctacc ctaaggctca tgagaaccct 420
aggcctctt cttggatctc tagcccaatc tacttgaggt cttttagcca atgcccttgc 480
ggggtaggat tgcgtcaacc ctcacgactt tatctgcgta gggacattgt gtatcatgcc 540

gccaacatga tacaccttta ctaaggccac caa

573

<210> 2953
<211> 555
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2953

tatcaaaacc cagggcaaac atgtccccga tccaaggctc aacataacca aggttcacgc 60
ttagtgagcc ctcccttatag ttaaagttct atctcccat gaactaaagg tacacaaggt 120
ctgccaatga tgatattttc tattcctaata ttttatctgt gtaggaatac aagcctgtca 180
aaaacccaag gtccaccatt ggtacgcact cctacaaaac ccaaggcttc tcttttgtcc 240
actcactcgc agcaactacg atgaccatcg tcaacgggcc aagttcaaca aaacagacta 300
ccacagtact atttggaag accttcaatc aagtggaggt catgccaaact ccttataacc 360
atcaaaggag aagcttcacg ggtcanaatg acccatcacc aaattgagtg gcaagacctc 420
caattagatg cagcttgtag atactcntca taaccatcaa aggaggaact caacacgtca 480
agcgacctac cccaagactg gttgacaaaa cctttaatca aaggcaagtc acacatactc 540
ctataagcat caggg 555

<210> 2954
<211> 453
<212> DNA
<213> Glycine max

<400> 2954

ttgaggattt ggtcttcacc aatgaaagga tcgatgtggg tcctaaaaga ggcaaatttg 60
atcatcctac taggacgact gagaaaactg gggcaaataa aaaggggtgag aaagagggag 120
aaacccatgc tgtgactgcc attcctatac agccaagttt cccaccaacc caacaatgtc 180
attactcagc caataaccaa cctctcctt acccaccacc tagttatcca caatggccat 240
ccctaaatca accacaaggt ctgtctaccg cactttcaat gacgaagacc acctttagca 300
caaacaaaaa aaacaccaac ataaaggaat ttgcagcaa aaagcctgta tggttcaccc 360
caaattccgt ggcatatgct aaacttgatc ccatatccac tcaataattc aatggtagtc 420

ataaccccaa ccaaggttcc tcaacctcca ttt

453

<210> 2955

<211> 960

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2955

tctctgatcg ttaaatacaga ccaaaccatc taaaattngt taattccctc aataattata 60
attcacacac nnnacacagan cacgatggat ctggactagc gacactaana aantaaatac 120
ttgtagtctt actcttatca taactaccgc ctcatgcat ttttttctct gtaacaaaca 180
ttacgcctgg cctttaaaac tagatcccta ctaaagagct cccggctaga ggacatataa 240
ataaagcgac cggccccaa ccatgattta cgaacgcgac caaaaaatc accatcacia 300
aatgatgcta tttctcgata atcttttttc ttaacaaaag gacacggcat cacggcgtcc 360
agaaacactc ttccatctta taagtgtgtt tccaaaaaaa aacccgcct aaaaataggg 420
cgactctacg atgcaccggg gcttaciaac actccctcac aaaaatacta ccctttgaat 480
acgcggggcca ccacaaaccg tctatatacg accaacatac gtcttgatac ctccaatata 540
aaaagaattc tcatcggcct tcttctaate acaacaact ggcgaaaggc caaccatate 600
ccattatgag cagttgacta accccgtaca aacgatatac aaaaaatatg caatcggtgc 660
tgcgaaacaga accctactct tgttcaccac tttaaatacc catccctca cattccacac 720
aacttcaaaa taccagaatc gacaccccca ctcaactcat tcaactgctg taaaacaaac 780
ggcccaaatg catctcggtc caaatacgga cgtctccgta cgaagaattt gcttcactct 840
attccacaac gggacaccgc gctccagaaa cagtgtggct ctacactacc acacggcaca 900
cagatatgcy catgcaacat tctcaagcgc atactttagg gagacacttt ccgtcctccc 960

<210> 2956

<211> 412

<212> DNA

<213> Glycine max

<400> 2956

ttcttttggg tttgattgga atttctgact tgaaagaatt ccttggttgc tttgacacac 60
aacactcaac acacaattgt tttggtatct caatttgggg aagaccatga gccattttct 120

tacttttcaa attacttaaa ctctgaaat ttaaagacc aaacctgtga tgctacatcc 180
agctttcatc acttatagaa gcagccaagc attgaaattc tgcagtctga attccaatct 240
tgaatgctct atttcttgac aaaggggcct ctataatcaa cctcctatct ctatcaaata 300
tctttatttg attggcctcc atctgcattg agtagccctt ttctagcaac tgtctcaaac 360
tcagcaaatt attcttcata ttgggaacat atagcacatc attgataaat ga 412

<210> 2957
<211> 177
<212> DNA
<213> Glycine max

<400> 2957

cggttatagc atcttcttgc gtatccgctt ctggtatttc cattttcttt ataaaaaat 60
caacttcata tggcgcggat tcatgctctg cacatacacg gatttggttg aattcaataa 120
ctgaacactt ccggtgatca cgacttgaac gaccattaaa tagatctcaa tgtcttg 177

<210> 2958
<211> 462
<212> DNA
<213> Glycine max

<400> 2958

tggacttccct gtgttttggg aacctctcct tcctcaagtg tacccaaacc tcatcacctg 60
gttcaagcat gactttcttt ctgcttttgt tggcttgctt tgcatactc gcatttttct 120
tttcaatttg ggccttcact tgctcatgca acttcttcac atactcagct ttagcctgtg 180
catccttatg cttaaacata gcaatgtag gcataggcaa ccaatcaaga ggagtcaaag 240
gattaaatcc atacactatc tcaaagtggtg aacaattagt tgtgctatgg acagcccgat 300
tataagcaaa ctcaacatga ggcaaacagg cttccaaga tttaagattt ttctttaaaa 360
cagtcctaag cagcgtgcct aaagtcctat tgactacctc agcttgacca tcaccttggt 420
ggtgacaagt agtagaaaac aacaatttag tactaatctt ac 462

<210> 2959
<211> 459
<212> DNA
<213> Glycine max

<400> 2959

tatgcttgat ttgcctcccg caacacatga acacactgga catgaccctg gaacttatgg 60
attgcatgga tgcttctaac cagattataa caagggtaca aggggtgaaga aagcaacaac 120
cattattcac taaatttgta ccaacttggg aatcaaaata aattttgatc cgtctatgtc 180
ttctatccca aaccatttga agaacaagca aatatggccc attactctgc tgccagattc 240
gtacatatat caagctttgc cgcaaatac caaataaagc acttattagt gtgtttgttg 300
acgtttaaac tgttttcctt taaaaaaaag taattttctg ttttaatttg agaaaaaaaa 360
atatctgctt attaaataaa acatttttta agaagtattt ttttaaaatt acttatttta 420
agtttaaca aattaattca aaaacttcag aatcatcac 459

<210> 2960

<211> 541

<212> DNA

<213> Glycine max

<400> 2960

tgaacataat taaaaaatat caatgaaaac tcacaacttc aagtgaagatt atacaaactt 60
ctaaagtctc tctcagcttg aagctcaagg actttaacac gtacctgcta gttgtatttg 120
cctgtagtgt ttttaatacac gttttaatac atggttttaga catatacatg tatatataaa 180
aagtagtaac aatgtgcttt acctggactt gatataatga aacagcttcc acaagaacac 240
caatggacaa accaacttca actacaacaa agtaattcag cttcacttgg agttcatata 300
atgagtaatg gcattagaag aagtaaaagc caaaccaact tcaagtacaa caaactaatt 360
cagctttttc tcaaccaaac tatgtcaaaa tacttgttgg ctattaaaag tgtagtttac 420
tcatgtgaca atcatagtat tctagtttct attcatcatt aaaattcaca aagcacatat 480
agtgttctca tagcaatacc acacagagac aggggtgtag atagcagcca caagcccact 540
a 541

<210> 2961

<211> 574

<212> DNA

<213> Glycine max

<400> 2961

tagcgcaaca gccgtgctaa gcgcacttcc aagaattcaa aaatattaaa agattggcac 60
 ttagcgcttc ctgccccact aagcccagct caaaagctca aattacagaa tggatctggg 120
 gcttagctca ggatagcgcc cttagcgctg ctacaatcaa atttttccag agaagaagtg 180
 gcgcttagcg catcatccac gctaagccca ctgattaaga ttcaattaca ttgaagatat 240
 tgggcttagc gcagtgatat gcgcttagtt gaactattca gccaaccaat caggggtctc 300
 tgcgcttagc gcgagcaagc tcgggctgag cgggtgaaga atgagcgctt atcggataga 360
 caattgcaaa aattttctaa gtctcttttt gtctatctct tcacacaagc ttacaacccc 420
 ttgttcatta ctaaacaaga tgataattaa tcacaatcac aagcaaggta ttctaactac 480
 atgcaagaga taagaatgaa aaatagaaaa gggaaagaaa agtcggggttg gcttccagta 540
 agcgcttttt taacgtcact agcttgacac gtca 574

<210> 2962
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 2962

cgccaaaacc gatgaaaggg acgacttggg ccaataagat ggcgtttttc acccggcgat 60
 tacctttttt ttatgagggg gatttaatca tgacattcac gtactgcca ttataatcgg 120
 aacgccctta acctgtaaat ttttataatt attataaacc catagggttc gctctcctta 180
 cctgtttgat caccggaaag gcacctgaag ggcaactgat tgctcgccat atccaactgt 240
 ggcggcggtc gattaccact cgtaaataac actactgcc ggcggtccct gtaatttcat 300
 gctcacggca aacatgaggg attgtgaata ctacacaatc t 341

<210> 2963
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 2963

tgtataaaac ctctgcctaa aagggaat aaatgatt tttttcttg acaggtgacc 60
 atgactaaat ttaagaaata aaatatggga cagggtctaa agagaatgcc aaaatttttg 120
 ggctcattgc aaacctgata agtatttgtt tgaaagaaag agttggctga tatttggat 180

gtaagccctc ttaaggtctc tgtaatgcta gatttcccat acaaagtgtg ttcttctctc 240
ccaacagatg tgttgccaac agaagtatct acattattaa tgacacttac ctatcattca 300
tgcaaagaag aaacttcaat ggtattaaaa tcaatatgtg catacagttt ggaaagttaa 360
ggaagaagca catttataag aaaaaaaagt aattaaaaaa cttaagtacc aaccacttca 420
ggaaatacgg aaactttatc aactaggaac ttcaacagct ctggc 465

<210> 2964
<211> 217
<212> DNA
<213> Glycine max

<400> 2964

tatactgcaa acatctacaa taaaccttct caacctcagc agcttaatca accactacag 60
aaciaaatatg accttttcag caacaagtac aattctaggt ggaggaaatca ttcaaacttt 120
atatggctga atcccttcca acaacgacaa caacaacaac caccttattt ttataaagtt 180
gctggcccaa gcaaaacata ttttctcca ccaatcc 217

<210> 2965
<211> 582
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2965

tgcttttggc tgatccattc ggtctatacc aagtgaactt tctctacctc caaatcttca 60
atccactcat taaactcctt tatgctatta tccgctctc ctggttgaca tctgccaatc 120
ctttttgaag gggtttctgac attgttgaaa tcccccaaaa tgcaccataa tccttcatta 180
tgagaatttt tcaactgctt tatgttctcc catagacttc tcttgctctg aacatcacaa 240
ggtgaataaa tggttgcaat atgcacctgt tgagcctcct taagcccttg acctaacaat 300
aaaatgaagc cactgcctat gactttactg tgcactttgc aatcttctgc attccataaa 360
cacaataacc cgctgatgt gtttactgag ggctgcaatt cccaccctac ctccgaagtc 420
cctcaciaag tatggcacac actcatgtca atgttttctg gtttagtctc ttgaatacac 480
caacanatcg attttttctt ttcggacca ttctctaaat gcagcccatt ttacaccctt 540

ccctaagacc cttacattgt aggaataat attcatgggt tt

582

<210> 2966
<211> 348
<212> DNA
<213> Glycine max

<400> 2966

aatttaaatt gatgtttgta tttatgggag gtttgtttat gccctttttg ctttaagagt 60
gacgccccac tggtaaaact aactttccaa atgcttgctt tctcaggaat ggacccaag 120
aaacttgctt catagagggt cacgaaggac aatgcgggcg aaggaactag tttcgccccg 180
gagtacgaca gtcaccgctt tatgagcggt gtacaccagc agcgctttta agccatcaag 240
ggatggctgc tttctcggga gcgacgcgtc cagctcatgg acgacgagta tactgatttc 300
caagaagaaa tagggcgccc gcggtgggca ccaactggta ctcccatg 348

<210> 2967
<211> 530
<212> DNA
<213> Glycine max

<400> 2967

tttcttcacc cttattgcag ttctacatca tccgcaccac cttaaccta aaaaccaaca 60
taaaacacat caaaaccttg aaatagtaca cttttatgaa acttctaaaa gtgcctatgg 120
aagaaaacaa aaatggagga tgagagggga aaaaaagggt tttcttacct ctaaaatcaa 180
tccagattcg aaaaatcctt tgtgctaagg tttcaagtca ctaaaaacta agtgtatgac 240
tcttctcttt ttttctatgc gcaccgcata gtttctaag ctcaattact ccattctata 300
tcaactaagg ccattcatc ttagcccaaa cattctaaaa cagactattc acacccaaac 360
aagggttttc gcatttgtaa acataacata catacaagta ccacacattg tcattctata 420
attaattaat taattaatta caggaactta attaaagtta attactcttg caatctaatt 480
aatcactta atcaaacatt acgaagaaac acaatgttac atttatecta 530

<210> 2968
<211> 503
<212> DNA
<213> Glycine max

<400> 2968

tgtatagttc cccaatttat gggtattttg tagtgatttt tgtatataaa tcttatttta 60
tgggtaatgt tgtctctaga acatttccat tggatttaat gatgaaatct gtgcattttc 120
agggtgaaaa gaagctaagt tttgaattgc aaaatgtagc agtggggcta agatcagcag 180
ttgggctaag cgcataatcca ccgctaagcg cagattcagc gcgcttagtg caaaggagaa 240
tctggcagag catcagcatc aaaggagaat ctcccttgca tttgttttcg tcatcttcgc 300
cacgggaagc cggaaggtct gcatagtttt cttaattgca tgcattggac accatggtaa 360
tgactgtaaa tgagccatga tacccaatgc attgtgggta agagagggtg gtcttctggg 420
ctcttggtgc catagataaa cgtgttttgc atgcatagca taaacattcc ctgatgcatt 480
catcacacct tcttttatga tag 503

<210> 2969

<211> 523

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2969

tcttatccag gtaattcttg gtggtgaagc tcttctgcc ttggcttatt ccctaattgga 60
tggngcctcc tctctcctct tctcctttgc cttctgctgc atctccatgg tgtaaaatca 120
ccattaaaag acctcattga agctcaaaga tccaccctcc atataagccc cacaagcaag 180
cttccatcac cggagctctg ataccaaagc atatgaaccc tcatggcaca agggctgact 240
tatgagcgtc taggatggaa aatgcggaaa ttgattaagg aaaggatgga aaataagggtg 300
gttaatttcg tgggtcttaa taagggtggt cttggcataa aatggatgaa tgggatgcgt 360
aaatgtatgt taagtgggtg ctggacagaa atatagaaat ggcaataact gaagctacag 420
ggcttcaaat gaggtgattt taacacgcgg tgaaagggtc cgttttgaaa ttcaatttac 480
gcttaagaat cacttaattt gagtgcgtaa aatgggagat atg 523

<210> 2970

<211> 445

<212> DNA

<213> Glycine max

<400> 2970

ttccgccaga cttacggaaa gatcttagag ttgaccatag cagaggtggt catagaagcc 60
attgcagcac ttaccaata ctacgaccag cccttgagat gcttcacatt cggggacttc 120
caattagtag caaccattgt agaatttgag gaaattctag gatgtcctct cgggggaagg 180
aaaccatata tttctccggt gtgtctcccc tctttgagca gaaatgccac tgtgggtcaag 240
gattcaacca caggttttga ccgcataaaa cagactcgga acggcatagc gggcctgcca 300
cagaagtacc tagaaaacaa ggcgaggggt atggccaatc aaagagactg ggtccccgtt 360
atggatgtgt tagctttgct aatttttggg gggcggtctt tttcaaactg ggatggtttg 420
atagacctag cagcaatcga cgctt 445

<210> 2971
<211> 461
<212> DNA
<213> Glycine max
<400> 2971

agcttctttc ggaccttgaa caagcaacta actcctcttt cagaaccatg ctatgtgctc 60
gcgactgggt cctctcttcc cttegcagct tgagttcact attgctaccc catagagctc 120
cgcgaaattt attccggcca tactcttctt tgcgagccct cttgggtctt tattcaaggg 180
ctctcgcggt aattgcattc tcttcccgta acccggcaca ctcttccga atgtgtgtag 240
cggccaactt gaacttctcc ttggcaagtt tcgcctttcc taactcgctt ttgagagctt 300
ggacttcttc gtcctcttcc ggtgcttcaa aactcttttc gctgacgact ttttaacttg 360
cgagccaatc taaacctcgt atatgaactt tcagccattc gtggtacca ccaatgatgc 420
cattacgaat gccctaagc tcttgatctt ttcttaacgg g 461

<210> 2972
<211> 517
<212> DNA
<213> Glycine max
<400> 2972

tataagaaca aaattgcctc aatcatttcc aaatatgcat gtgaatttgg acgcatcaac 60
aagaatcaag ccaaggctat tgtgcaagca atcaatgggg caaaacacac caaatgatta 120
tgatgatgga tgggtcaaat tctcaciaag gtaaaatcat cactttcaaa ttgagctttc 180

aaaactatca tgacatgtag agaagaatca aggatttcaa gtcacaaaat gtcaagaact 240
 tttattttca aaacaattac ccattttcttg aacatattcct ataattcaaa gaaaaacatg 300
 caaagtcgta cgtgcacaca aaattgaccc aaaatattaa actaaaaatc cgacgaaact 360
 aacaacatta acaaattaac acaactaaca aattaacaaa accaacaaaa ctagcaaaat 420
 caaagaacac tccccccccc ccccatactt aaacaacaca ttgtcctcaa tgtagcacia 480
 ttaaaagatt aaaaagaatt aaatcattca agagaat 517

<210> 2973
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 2973

tgccctcaaag aggtccagga aagacaaggc ggccgaagga actagtttcg ccccgagta 60
 cgacagtcac cgcttttagga gcgttgtaca ccagcagcgt ttcgaagcca tcaagggatg 120
 gtcgtttctc cgagagcgac gcgtccagct caggaggagc gagtatactg atttccagga 180
 ggaaataggg cgccggcggt gggcaccact ggttacaccc atggccaagt ttgatccaga 240
 aatagtcctt gagttttacg ccaatgcttg gccaacggag gaaggcgtgc gtgacatgag 300
 atcctggggtt aggggtcagt ggatcccggt cgatgccgac gctatcagcc agctcctggg 360
 atatccgatg gtattggaag agggccagga atgcgagtat ggccagagga ggaaccggtc 420
 tgatgggttc gatg 434

<210> 2974
 <211> 782
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2974

tgaatctcca ttggagttgt cggttgtagc cactccataa ccgactcaaa cttgttcgga 60
 tccaccgcaa ccccgctcctt agaaatcacg tgccccaaga actgcacttt ctccaaccaa 120
 aagtcacatt tcgacaattt ggcgaacaac ttctatccc tcaggatatg caacacaatc 180
 ctcaagtgtc tctcatgttc ctccttattc cttgaatata ctaggatatc atcaatgaac 240

acaaccacga actgatccaa gtaatcatgg aatatacggg tcatataatc catgaaaata 300
gccggagcat tagtcactcc aaatggcatg actaagtact cgtagtgccc ataccgagtc 360
cgaaacgtag tttttgggat atcttccttc ttaactcgaa ttngatgata ccccgatcgc 420
agatcgatct ttgaaaatac cgttgctccc ctcaattggg caatcaaatc atctatcctt 480
ggtagaggat atttgttctt gatagtgacc ctgttttagct tgccgtagtc tacacacact 540
ctcatacttt catgctttct tttaaccaac aagaccggg ctcccatggg gatgcgcttg 600
gacgaaacaa tgggtgctca aaaggtctgc acttggtgctt tacctttgta gtcttaccga 660
gacatctata tgtgcatca cactggatcc ccccgcccc aagcataagg gattccctct 720
ctttcagggg gattacaaaa tattccgaaa actctggaat ttggcccacc ggtaataaaa 780
at 782

<210> 2975
<211> 578
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2975

cataactacg tgtaagcttt aggcaaattc acaagataaa ttctagaaaa agcattactt 60
aactcgcgac ggaaagcata aaaacataaa attaaagagc aaagtttaga aatactaggt 120
tgctctctag gagcgcttct ttaatgtctt tatccagacg tgggggttggt gttgggggctt 180
cgccgtctca tctccctac cttctttcct tgatcgtgag caactctgat catggaccta 240
gcacctgttg gcacctgccc taatgctttg acaaagaaag tgtaacatg caaatgtgaa 300
gaaatactac aggatgctca tgtagggttg tggntttctc tttttcgttg tcattttcaa 360
ttttacttaa cgcttactgc accctgctga acatgccgaa tggctccgga atatctgtcg 420
tgagagtgag caaaaacgag agtgtagctt catgcccac gacgatataa gtacanagga 480
acaacactag aaggagagat gcacaatatt acatcatatt tattaatggg gagaatattg 540
gttacaaaaa aaacttacga cgtggagatt ctaatgag 578

<210> 2976
<211> 540
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2976

acctttccaa catttgggcc atgaatggca gatgaaaatg acatcattca acttgcggta 60
gtcaataaaa attcgccacc cagtgattgt ccgtgtagga ataagatcat tcttatcatt 120
acagatcatc ttcatatcgc ctttctttgg caccacctgg accaaaactca cccaagtgtc 180
atcagagttg gataaattag tcttgcttca agcaacttga ggactttttt gcacacctcc 240
tccttcatag atggntgagt ctctctatg gatgtctatc cagtctgaat tcaccttcca 300
tcattatgct atgcatgaaa taggatggac taatccccctt aagatcaaatt atgtgtcatc 360
ctattgttgt cttgtgcttc ttaagaacct ccaccaatag tgcttctcca attgaagaca 420
acgtattatt gataaccact agtttaacat catctgcttc ctgggagaca tacttaaggt 480
gaggaggtag aacccttaac tcaaccttaa gtttttctgt aagagtgcct ttttttagct 540

<210> 2977
<211> 452
<212> DNA
<213> Glycine max

<400> 2977

ttttatcggt ttttaagccg gtatctcgcc taataattga taaaatgaat ttcaaccgat 60
catttgggt ggaatctcgg ttaatcacta ttaaaataaa atccaactga tcgttcacgc 120
tgtaacttcg ggtaaataaa aaaaagcaga ataatacataa aataatcaga atatttagaa 180
aaaaataata ataaaataat cagactaata aatcggacgc ttttcttaga aagtttcctt 240
aatgaattg actaataatc aaagtgaac taaggctaaa atcaactcac aaaccaagtt 300
ttgtgcgcaa aagtcactcc aaaccgtttt aaggccaac accttaaaac ggctctcttt 360
gcttttattg gttaaaatgg accattcaaa gcataaaatt aacacataac tttctcactt 420
ttgcaagaat acgtacgtct gatttctca tc 452

<210> 2978
<211> 441
<212> DNA
<213> Glycine max

<400> 2978

taagatgatc aagatgatca agattgaata aaaaacactt caagaatcaa gaatcaagat 180
tcaagggttca agcttccaag aatcaatatc aagattcaag actcaatatt caagaatcaa 240
gagaagactt aatgagata agtatgaaaa ggttttttca aaaacttagt agcacatgga 300
tgtttttctca aaaaatgttt accaaagagt ttttactctc tggtaatcga ttactagaat 360
attgtaatcg attaccagta gcaaaaaatg attttgaaaa agttttcaca tgaatttaca 420
acgttccaat tgatttcaaa aagttgtaat cgattacaat gttntggtaa tcgattac 478

<210> 2981
<211> 334
<212> DNA
<213> Glycine max

<400> 2981

ttgctatcca acaatgttgc ttcattgcttt aggatttcta tacattgggtt ctctgataaa 60
taccttgtgt tgtcttcagg agctcatata aagagtgtat gcacacaagc cggatatgtat 120
gctatccgtg cccggaggaa gactgtaaca aacacagact tgctttatgc accaaataaa 180
gtcatctaag gataccagaa catcactgca actcccaagt atatgggtcta caactgaggt 240
attttttcat ctttttccga gaccatagca gctttatctt tattttcccc tggaaattga 300
agggcatgcg attctatcta attaactctc tggt 334

<210> 2982
<211> 620
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2982

tcttatccaa ggctcatctt ggtgggtgaag ctcttcttct catggcttat tccttagtgg 60
atggcgcttc ctctcacctc ttctcctttg tcttctgttg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atccagcttc catagaagcc ccacaagcaa 180
gcttccatca gagaccctcg aaggcaatac gaggtgtcga ttccgtggca cgatccgact 240
cacggctact tcgttgggtac atccaaagga accagcacgc acgtttcagt gcactgtgga 300
gtggatctta cctacaccta ctccatatct actagtggag ccagtccaag tgattgaggt 360

gacgtcatct aaggaagacc ctgaggagga cccagaggag ctacctcctg agcctgctgt 420
 ggatgctctt gactttctag agggatgatga ggaccactc cctgaggtgg attctcccga 480
 ggacgtcatg tcggcatctg aggcagactc taccgaggag agcggtcctc gagggatagc 540
 gactagcgaa nggtcttatt atagcagacg gtcctttaga ctaggattat atactttttg 600
 ggggtgggtg tatctgggtac 620

<210> 2983
 <211> 563
 <212> DNA
 <213> Glycine max
 <400> 2983

tgtaggatta tggggtaccc atcacatgtg gtactaggtg gcggtcgggc gatggtgcac 60
 aacaagtttt ccacatccac aatgcgcgca taaaccaccc atcccctgtt gccacactcc 120
 atctgagctc acgtactccc acgtagctca tctcctcgtt tctctcaaca ccgggtcccc 180
 atcaatcctc ccaagcttcc acaacatcca agcgaacaaa cattcaaaca gcacaagcta 240
 tcacaaccaa gcaaaacaga gcaaaggcag aaaactctgc caaaacacca accaaatcac 300
 agcttttctc acttaaagac cccagtaaca attccttcga tccaattcgt taaccgttgg 360
 atcgactcca aaattttact ggaagtctat agtgcataag cctacatttt gaccgttggg 420
 atctactagc gaacatccag aactcattct acattactct ttccacaacc agcaaataca 480
 cggatttttc tgcacttgtg caaaattctg ctgcacaatt ttacagcaaa atctgcacaa 540
 agagcatatt tcgaaaacca cac 563

<210> 2984
 <211> 549
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2984

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 ttcggctttt cacaggcatt ttttttttaa ttagataac agaatttcca acccaaaaaa 120
 attgaagctt gtgaagatat gtcaatatct cgttacaaag tcaaaatctt aattatgatg 180
 attaaaaaaa catttataaa caaaaaagat taagaaaaaa gtgggtatat ttactcttac 240

atagtagtca ttatttatat tctctttttt aatatatgca tttcacatat aagtaaaaaa 300
 aaaatctctt tcaatgatct caaactatcc tcctttatca agggatttaa ctcatatgat 360
 tgagtagtat gtataattaa gttgttataa actctttgac gtcaagagtt cgactctctc 420
 atttgaaaaa aattaatctc tttttacttt ttatttgatc ttcttaaccc ttgcctcatt 480
 caatnttttt tcataaattg tataanagaa tatataagat aaattggttt aaagataata 540
 aaagaaata 549

<210> 2985
 <211> 580
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2985

tggttcaagg caaatttgta ccaaatttg ggtagttata tgtcaaaaca aatttgtccc 60
 aaatttgggg gagacactgg gtaacgaaat aaaatgggtca aaacaaagca gcatatacac 120
 actgttttct taaaaaaaaa agaactata agcataaata aaaatgtata aaagtgtgtg 180
 tgctgcaaat caaatcaatg aaagctaagt gcctaataaa aggcaagtat agggtaggaa 240
 tgaatagaaa aagtaaagggt ttatctatgg atgaatgctc tcctagaatc taagattttt 300
 aatccaagaa aaaccattat ttgttggcag cctaacctca ttacaagcct agaaagtcct 360
 tcagattcat tntgtggggt tatttctcta tggtatgaga tgatatgcaa aagttgggac 420
 ttgtgttagt tgtttataat ggaatgagcc taaacagttg agcttgagtg aaacaatgac 480
 tgcgagggct tggntgatga ttctttcctt gatatctgcc attctcacta gcttatttca 540
 gttgtgactc taatgcatat gttcctatct ttgaaaagct 580

<210> 2986
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 2986

tttaattaat aaaattaatt agaaaaataa ggattttttt tacgtaaagg ctatagatac 60
 aaagcttcac actaaaaaag aaacatctca actacgttga caaccctcct cctagagatc 120

acaagcaaag gcgtagaatt tattttctata aaaagaagaa atagataacc gacactacga 180
aaagaagttt tgtatgatgt ctattttaag atgggttatcg gaaagctatc ctcgtttaag 240
tagaggcggc attttcgtaa acaattataa cttttgaaag acggtcattg cagaaccgtc 300
tttaaaacaa cttttcaaag atgggtttttg ctaaaaccgt ctttgaaatt agatcctcat 360
cgtcgattat acaaagaaac cattgtgagt ggatctttat tatctcgtgg ttacaagcac 420
tctcgactc cattcctttc ctctcttc 448

<210> 2987
<211> 1116
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2987

cgttcgttcg agtcttactc tctttaacac tatactgtat gttctgtaca tcactcttgt 60
cctntatagc ccnnaccag cnatgtgatg attcatgctt attctccagt gancctatan 120
aatacttcag cgttggaaat ggaacaaccg gaagcctctc tgagaaaact tcaatttggg 180
catatacttt atttacacaa gacctttcta tttcaggtcg catatatatc tatccagaca 240
gctccgaaaa tctgaacacc ggtagaggt tccaagaaat tccaaatggg tcatcgactc 300
tggcacaacc gacagtcccg atttaagggg ccataaaata tccagtagcg ttctaaattg 360
aacaaccgca agcgtctccg agagaaatcc aaatgggtcat taactatgtc aacacggaag 420
gccccgtatt cttggcgcat aagtattatc tgacaacgcc ttgtaaattt gaaccaaccg 480
gaaagcctct cgtagaaaat ccaaaatggg ccatgtactc tgttacaacg ggaagcgctg 540
atttcacgcc gactatatat atcatacaaa gctttgagca tttgtacaac acgaacgctc 600
tctcagaata ttaatacgg ctcatatact ttcgtccac ggatcgcccc gataatggcc 660
gccttactca tcttgggacg gctccgaaat gtagcatatt ctgagcgttt ctctagagat 720
attcaatagt gcgcgattct ctttcatcac cgaaacgcc catctcctgg cctcctacaa 780
atctttctcag atcgctctc aaattgtcat cactgagaag tcgttctcgg taaatattat 840
atatgcacaa tcaactgttg ctccacgaac gtctogaate cgatgcaact cactctcatt 900
cacgacctcc tctagacttg taccactcac tatctctcgc tcacatcttc acaatctgga 960
atataatcat ggactcaccg ctgatgccgt cgactacatg cagtctacgt atatactcga 1020

ttcttcgtga caatgtattc gatctaatat atcttcgtaa caacaccnca gaattgctac 1080
 tgactcatct gagctagcgt tacgctcgat caacgt 1116

<210> 2988
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 2988

taacacacac tttcactcta ttgttcgtgc gaaaaagcgg catctccgca atgatttaca 60
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 tgattctctc tegtccattg gagaacgtgt gtctaaatct gatcatgttg acattgttct 180
 tgatggttta ccagatgagt ttgagttgct gtcacttttg tgagtggcaa gtttgagtgc 240
 tgtctattga tgaagtcgca actctcctat tggctcatga gactcgaatc gcttgcaaga 300
 aatcacttgc ctcactgga gcttccatta atctctctga aggagcagaa cctaatttta 360
 gccaaattcg gcgcaccagg attctcatcc tcaagcctat gttgctcaag gttctagctc 420
 atcgccgcat tttggcatga actataataa ttacaatggt ggaaataggt acattaaccc 480
 tggcgctgg 489

<210> 2989
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 2989

tctacttatg tggcagggcg ggcttccttc actttcttgt cttcaacgcg agctttgacc 60
 actgctcttc cttcccgga tgcttctttt catatccgcc tgagtgggct tataacctaa 120
 accatacttc ccaccatttc ctttggcatt tatcatgcta gttatgccgc cgttgtcctt 180
 gcctaaaccc attccgggtt cgtaaccgtt ccctaacata actcggggcca tcattactgc 240
 tgcacggac aggcaaggct gccagagaa ggagtccacg gaggaaatgc tgaccacctc 300
 aaaagactgg aaagcgggtt ctaacgattc ttctgcggct tccacataag gcatagaaga 360
 tgggcagctc accaagatgt ctttctcgcc tgacacgatg accaagt 407

[illegible]

tcagcttttt	atcaagtga	aattatgtaa	aggttttata	gacattatta	gtcaaagtga	60
taaggaggaa	atgtgtatgt	atgtatatag	tcaaatgcc	attaatgacc	gcaaatttaa	120
actgtgtaag	ccgttccatc	taaggaagaa	ggagaaatca	tttgtattca	tggagaaaac	180
tcaacggatt	ttcttaacct	ccaagcctct	tcgagaagga	aaaactgttt	tcttaaagct	240
ctatatataa	ggacgaagag	atgttgaaac	tcattgctag	aaaggaaatt	acgatataaa	300
tgatatagat	caagaaattg	tattgcacat	atatatctta	agcttttgat	tcttgtattt	360
tacgccaaac	tgtccaagac	tttggagagc	caaatccact	tagccttaga	gtgtcgataa	420
agatatatca	agggagactt	gttaatggtg	taacattgtg	gctttttcat	aatgtatggt	480
aagtgtttta	ttaacaccac	acgaggaatt	aaatttaa	attatattatt	taatgaacta	540
cttaataaaa	tagagtatgt	tggtcat				567

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<223>      unsure at all n locations
<400>      2991
```

1270

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 tccacgttaa atcgaaactg ctcaaatagc atatgtagag aaccaccata ttcctcacct 720
 aatattgtcc taacttagat gtacaagtgc gccctctggt attttgatag gctttaacaa 780
 gataaagggtg ctctcagga accctaagac aggggtttta atcccgagtc caaggggttc 840
 ctctgattaa gagggttgat atgaagaaaa acttgcagcc tttccctcgc ccatcttttc 900
 ttttttgac tgtcgcccgg atttatacta aatcc 935

<210> 2992
 <211> 1234
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2992

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 ctcanenent atcntntcac ggcncaactgg gagttgattg ntcgtgncta ctctcatcgc 180
 gnataccacg cngnaanacn ctatannaaa tatcttctca ccgttctaaa caatatagac 240
 tattcggaga ccgcgtcacn gagtaatact attacattgc tacatcgtat attcactgac 300
 cntactccga tgtcaaaaaca acgtctacct agatantgct cttgcacaga tcttgatctc 360
 aggaggacat agctactcag tctcctaata caccgaagtc gcatacatgt atactaatct 420
 aacggcggac cctcaaatca ataccagtn c gacacgatta caaaacgtct aatagtnngc 480
 ccttagaaat caattctaca ctatgcatac ccgttgatcc tcggttatcc tagccgtaat 540
 atatgtactt accaggagct ttatctagac aacaccgta tataatccac ctgtcgcccc 600
 gaaaattgct tcagagacta acataaacca aatgtcccg cggctgacgt aattatacgc 660
 cacccttc agacataccg ttcaaaaaag cttttcgaag atagacatta ccttaaaagc 720
 attaatacata taacaaccg actgtctcac cactaatagc gtacgtcaca ctacagagca 780
 cagcgtaca tttagtaggt gtgttgaaca tgaacaacac tctccgactt taattttcag 840
 ctccgaccgt caaaaacaat gaacttcttc cgacgccact gcccaaaata tttctagacg 900
 tgcccaactt tggttactgc cctatatgcg tccatttcac cagtcgtttc tataacatga 960

acgatgaact cacttctcga tacacttggg ccaaataagag aatgcagcag ttcttaaaat 1020
 atgtgcgctg atgctccatc tctaacagct ttcgtagcac cctacaatat aatattctcg 1080
 acagcgtcgt atcaacaaat acaacacaag acaaacactc tctctctcta ttcacttaag 1140
 ctgtctaata acgcggtttt tctcccatc actgtcatca tagataataa tcgcgctctc 1200
 ttcaccttac atctctgtct gcacactaaa tacc 1234

<210> 2993
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 2993

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 aacaagtttt ccacatccac aatgcgcgca taaaccacc atcccctgtt gccacacctc 120
 atctgagctc acgtactccc acgtagccca tatactcgtt tctctcaaca ccgggtcccc 180
 atcaatcctt tcaagcttcc acaacattca agcaaaacaa cattcaaaca gcacaagcta 240
 tcacagccaa aaaaaacagg gcaaaggcag aaaactctgc caaaacacca accaaatcac 300
 agctttttctc acttaaagac cccagtaaca attctttcga tccaattcgt taaccgttgg 360
 atcgactcca aaattctact ggaggtctat agtacattat cctacattgt gacccgtggg 420
 atctactagc aaacatccag aacgcatttt acattactct tttcacaacc agcaaataca 480
 tg 482

<210> 2994
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 2994

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 ggtgcctccc ctctcctctt ctcccttgcc ttcgctgca tctccatggg gtaaaatcac 120
 cattgaagga cctcattgaa gctcaaagat ccagcctcca tagaagcccc tcaagcaagc 180
 ttccatcaaa agcccttggc aacaagccta gctttgtact tgttgactga accattagga 240
 ttctccttta ctcttaacat tgacttactc caataacatt tctaaaggat aggagataaa 300

ccagagacca agtggattct tgattaaagt tgcattattca gtttgcattg ctgagcgcta 360
agagggatta ttcaaagcta ctttagtaga cttagggttca agatgagcaa ggagaacggt 420
agggttaatt ctatgtttga caattctaga ttttgcacga gtgcaaatgg gatgggtatc 480
tgtgggtct 489

<210> 2995
<211> 625
<212> DNA
<213> Glycine max

<400> 2995

caaaattgga taggaatggg ataaaaataa gttaaattaa tagataatat agaaaaataac 60
aatacctcaa attcaaagga gaggggtctgt tcttacagca tcaacattgt cgtaagaagc 120
aattagcaaa ctatgcaggc catacttcat agtaacatat ttcataaagc taaaagcatg 180
catggcaata tcaagaaatt ggcctaccca gacatattat gcgaaaaccc ttttcttccc 240
gtaataacca agattaaatt aaaaaaaaaa aaacgaaata gcttgattgt tggattaatg 300
acacgatttt gatcttatgt ttcataagct ttcttaagac atccgtcctt tcgagcataa 360
tcatatacaa cgttttttca acttcttata tggtggactc actcagggtgc atgctttctt 420
taagaagtta tatcaacaga agaactccga catattgatt ttaatttttg aagggttaaaa 480
tatatttatt ttcccaatga atttccttat tatagctaaa aataaaataa tacatacgta 540
atattgttca ctaacttatt ttataagaa ttgataagcc tcttaaaaaa tgataaatag 600
aaaagaacga tttaaattggg ctttg 625

<210> 2996
<211> 528
<212> DNA
<213> Glycine max

<400> 2996

tcgcgctcca tcgaccgcta ccagcaggaa cttaccacc gggagctaca aaagcgtctt 60
cgccagggtc cgcttttctt ttattcttct tttctttct ttttttggga cattgggttt 120
gattgagcca ttcattttct agggttttga attttttctg ttgttggggt aatttgtgtt 180
attgttgct tttggtttag ttgcttatgt tttggttgat ttttcatttt cctttgtaga 240

acaggaagat gacaaggacc ggaagccgca acccggacaa gtttcaagca cagatgctgt 300
 tactgaggggt atgttttttt ttttttttta aattataata tgtagtgtt cctgttatgg 360
 gtcaacattg gagtatgtag ggttctatct tgttgcattg taatggtagg attaatggg 420
 caacaaaggt atggatgggt tgaaacttga aaagcaagct tcttgctagt agggatttta 480
 gtgatatttt gtgactgctc caagaaaggg ctattaaact gatctata 528

<210> 2997
 <211> 507
 <212> DNA
 <213> Glycine max

<400> 2997

tgcattttta atttcatctc taaatatcac agcaagtgga agaagaagat agggaaaaga 60
 aacttaaggc catggctatg taaagcttgt tctgcattct gagtcgtggg ttggtggcga 120
 tgcatatagc cgccgggaac atgcaatgat tgagactgga ctcattacaa tgttcagaaa 180
 tggctcttca cggtaacatct ttttttaact taatcactcg gatcaggtaa ccggtaaaca 240
 atctacaccg tttattataa taataatata tccaacgcta actttttgtg attcaccggt 300
 gccaaggat tttaagactt caccctagaa tccaccgaa gttaaggga tttcctacaa 360
 gcatttctta tgaagaaata tatactttta acaggaaata gaaaagtatg tgaatgtgct 420
 tttttaaaaa aaaaaaata ataaaaattt gtgacattag actacgttga ctgttgacat 480
 ataccgaagc aagatcgaca taaaatc 507

<210> 2998
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 2998

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 gcgcatgtcc acttgtaatt ccaaagtatt aaacctttca ccaacaaagg tttgaagacc 120
 atcgaacctt tccaaaatct tttgatgaag agaggaatct tctccaccat gtccttcttc 180
 atcaacaggc cgagcaccct ttttcaccta agagccatca tgctcttttt gataacaaaa 240
 ggatgcaatg acagcagcac ctattagaaa ggatctcttg attggaacat aaggttcaga 300

atcaagaggg acgttaaagt gttgaaggaa gaggggtgagt agatgtggat atggcaatgg 360
 agcatttaat cacaatgcct tatgcatgcg atatcgact aagtgtgccc aatcaatttg 420
 tcggccttta tgaaaagccc acataacaat aagatcttct tcaaaaacct gtgcaaggtg 480
 tgaagatctt ggaagcaaga tac 503

<210> 2999
 <211> 488
 <212> DNA
 <213> Glycine max

<400> 2999

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 atgctcacag gatgaagaga aaaaattgaa gccatgagaa gtaataaaaa attaaaggac 120
 aagaagaatg ttgcacacat gaagatttgc acaatgaaca tgacatgaag aataatattg 180
 ttgcaacaga cttagagagt aatttcatca acatgatgag ttcattctaa acattgtatc 240
 tagagttcaa gaaattcaat tgagttgttc ttggtgtcta tgtaaactct gaagaaatat 300
 cttcaagttt catgaacaag tcgtggtttg atactatcta gatcatggat aaaattaagc 360
 ctgaagttct agatgctgtg ttgcctgggc aacttaatat gtgtgcatta atttgaagat 420
 tccttgagct attaaagtgc atttgagagg atctcaatgg aagggaacc tatgataaat 480
 atttcatg 488

<210> 3000
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 3000

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 ctttttgaag ttgtttatgg ttttaacca ctaactcctc ttgatctttt gcctatgcct 120
 aatgtttctg tttttaagca taaagaaggt caagcaaagg cggactatgt gaagaagctt 180
 catgagagag tcaaagatca aattgagagg aaaaataaaa gctatgctaa acaagccaac 240
 aaaggagaaa agaaggttgt cttctaacc ggagattggg tttgggtgca catgagaaaa 300
 gaaaggttct caggacaaat aaaatctaag cttcaaccaa ggggagatgg accatttcaa 360

gtgcttgaaa gaatcaatga caatgcttac aaagttgagc tgcccgggtga gtataatggt 420
aattccacct 430

<210> 3001
<211> 547
<212> DNA
<213> Glycine max

<400> 3001

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aataccatat taaacaattt taattattga aaaaataatt attttttaata ataataaata 120
tttctatttg aatttctttc tttttattta tctaaataat aatgataata ataataataa 180
taataataat aataataata ataatagtaa ttttgattat aaatgatatt ttttttcaag 240
tgatatattt atttatataa attttataat tcaagcgata tttttttgta caaattaata 300
tgagtaaaat ttaatttata ttaacatagt ttgaaggatt tacagaccct ctgtgttttt 360
catctaatat atttgcataa ttttaggaaa ctcttggttc aaactttaat ttcatttata 420
gatactcaag ttatatattgc tcttgatagg gaaacataca tgttggacat tttttttttt 480
aaaatgcatc ctcttgataa tcaacttcta actggaaaaa aaaaaagcca aataaatatc 540
ttttttt 547

<210> 3002
<211> 61
<212> DNA
<213> Glycine max

<400> 3002

tggagaggat gcttcaatgg aggaaaagaa agagggagag atatagaggg gggggggggg 60
g 61

<210> 3003
<211> 207
<212> DNA
<213> Glycine max

<400> 3003

catgccctac tttctagaat ggcaatggtc ttgcatggta tcaagagtgg cgcacctcac 60

tccatattat atcttttgag cattatgcga cgccacgtgt gtgtgctaag actattgctt 120
 catatggcag aagtctttta tctaacggg aactacctta tcgaactcgg ttacacaagt 180
 ggtttctggc tagcaaagct atgactc 207

<210> 3004
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 3004

tttcaactctg atgtccgatt caggcgcaga atatatcgag aagttcgaaa atgaacaaaag 60
 gaagctcttg agcactatca atgatcataa cttttaactc ggatgtccga ttacgcgca 120
 taatatatcc acacatatca aattgaacaa tggaagctct tgagaaattc aaacgggtcat 180
 aactatttac tcggaggggcc gagtcagtct cactatatat tgagaccct 229

<210> 3005
 <211> 528
 <212> DNA
 <213> Glycine max

<400> 3005

gaccttgaaa ctcagcttgt aaagtctctc gctcttagtg tctagaagac aaagaaggaa 60
 taatcgtcta gaccatcatt aagaggtccg tccaaagcac caagtgtagc tagctcctct 120
 aatgaagact tcaaaggaca atctgatgag gacgacgagc tagccttcat ctcgagaaaa 180
 atctgaaaga tgtggaagaa caaggggtgga tctaaataga agaacttctc caagaagggtg 240
 ttcaatgaaa agaaagacaa agataaaagc tccatcattg ctatgagtgc aaaaagcctg 300
 aacacttcaa gtctaagtgc ccagatctgg agaagtccaa gggaaagcat gaataataca 360
 attccaaggg taagaaaagc ctcagagca cctgggagga cctggatggc acctcgtcca 420
 ataaaggaga ggaggaagcc aacctatata taatcgtgc tacaacctct gaggaatctg 480
 aatcataaca aacttatcct gaactactct ctaacttggt gattcttt 528

<210> 3006
 <211> 525
 <212> DNA
 <213> Glycine max

<400> 3006

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atcgagacgc tcaaaattta gatccgaagc tctgagaaaa ttgaattgac aataacttta 120
tacacggatg tccggttgag tcttgaata tatcgagacg ctgcaaattg aaaacggaag 180
ctcgtaggaa attcaaacga caataacttt ttactcggat gttcgattga atcgggtaat 240
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tatacacgga tgtccggttg agtcccgtaa tatatcgaga cgctccaaat tgagaacgga 360
aactcttagg aaattcaaac gacaataact ctttactcgg atgcccagaca gagtgctgta 420
atatatcgag agacgctcca tattgaaaac ggaagctcgt atcaaattca aacgacaata 480
actttttact cggatgtctg attgagtcct gtaatatatc gagac 525

<210> 3007

<211> 480

<212> DNA

<213> Glycine max

<400> 3007

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gaattaatgg tgattgcagt ttccatcatt tccagtgagt tgatggctga aattcaaggt 120
agctgggaga tggatccaca tctatccgag cttatacctc aattgcatca aggggttgaag 180
cctaaatctc catatatgtg gattgagggg caattaacca gaaggggtag aattgtggta 240
ggccaggcca aggactttgt tttctctacg aacgtagtag gcaatgagcc accagatggt 300
ggtggcgggtg gtcaaacacg agtctctttt aaagaaaagg ctatggcaaa tagggaagca 360
ctacctcagc gacccaaaagt ggacctatca aggaaaaatt ggccaaaata gtctttgagg 420
atgataatca cttgaagcct attgttcata ttgatgattc tgttttcaat ggcttatatg 480

<210> 3008

<211> 491

<212> DNA

<213> Glycine max

<400> 3008

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tcaaccacag cagaacaatt atgacctctc cagcaacaga tacaaccctg gatgaaggaa 120
 tcaccctaac ctcaaattggc ccagccctca gcaacaacaa cagcagcctg ctcttcctt 180
 ccaaaatgct gctggcccaa gcagaccata cattctcca ccaatccaac aacagcaaca 240
 acctcagaaa cagccaacag ttgaggcccc tccacaacct tccctcgaag aacttgtgag 300
 gaaaatgact atgcagaaca tgcagtttca gcaagagacc agagcttcca ttcagagctt 360
 gactaatcag atgggacaat tagctacaca attgaatcaa caacagtccc agaattctga 420
 caagctacct tctcaagctg tccaaaatcc caaaaatgtc agtgccattt cattgaggtc 480
 gggaaagcag t 491

<210> 3009
 <211> 474
 <212> DNA
 <213> Glycine max

<400> 3009

tgaaggactg taaatattgc ctatgtttgc ctccccttgg acttttgcca cgtctgaagg 60
 agctttcaat tgaagggttt gatgggattg tgagtattaa tgctgatttt ttcgggagtc 120
 gctcttcttc atttgcaccc ttggaaacac tggagttctg ccagatgaag gaatgggaag 180
 aatgggaatg taaagggtgtg acagggtgctt ttccacgtct tcaacgtctt tttatagtgc 240
 gttgtcccaa gctgaaaggg ttgcctgccc ttggactttt gccatttctg aaggagcttt 300
 caattaaagg gcttgatggg attgtgagta ttaatgctga ttttttcggg agtagctctt 360
 gttcatttac atccttgga tctttgaagt tctccgatat gaaggaatgg gaagaatggg 420
 aatgtaaagg tgtgacaagt gctttttcac gtcttcaacg tctttctatg gagt 474

<210> 3010
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3010

tcttctgctg gcaacaatgg atttcaactt gcaagtagtg cagacaacag tacacaaaa 60
 tataaaagac cgcctgatga tacttcatcc ccctttggat tatctgaaag tgaagaatct 120

ggagcggggg aaaacaaaat aaaagaaaaa gctgtgaatg gaagtgactt tgctatggcc 180
gcagataagg ctggggcttc tgtgtttcaa atgaggaaga ataagatatc aactgatgaa 240
tctggagata gtgtgcatag acaaggaaga agtgggaaga atttatcatt agtaaggcca 300
gacctccctt ctggggaggga gaagtcagag aatgtaccaa caatgaagcc agtacaagac 360
atgaagccta atgataagag taaaacgtaa gctggattta ttnttagatc tagttcatcc 420
tttctacttc tatttttccaa aactgtcttc ata 453

<210> 3011
<211> 422
<212> DNA
<213> Glycine max

<400> 3011

tctgaaatag tgaattttat cagtaacgat gaggacaaac aaattataaa ttatgtagta 60
atgatctata actcaaataa actaaaaaga attgtcttga attgcttaca tgccattctt 120
cactgttttg acatctttat agaagcactg atagaattac acggcatttc cccataaaac 180
aaatacatgg aaaatcatta aacaaacaaa aatagaaata acaactcatg gatgcttttg 240
ttagcaaata gaacagagac aaacaacaaa cagtggcaaa tatttaaatt tacaataaat 300
tactcattac caagacactc tcagcagtca actgacaaga gatataagga gttgagtcaa 360
tctgatggaa catttagacg taaaaagctt cacggcccaa tgatacaggc acccgaaaaa 420
at 422

<210> 3012
<211> 473
<212> DNA
<213> Glycine max

<400> 3012

ttgagaaaat tcaacaacaa taaattttta ctcgatgtc tgattgagtc atgtaatatt 60
tcaagacgct cgaaattgaa taccgaagct ctgagcaaat tcaaaccaca attacttttt 120
actcgatgt ctgaatgagt cccgtaatat atcgacacgc tcgaaaatga atgtttatgc 180
tctgagcaaa ttcaaacgac aataactttt tactcgatg tctgattaag tctcgtaata 240
tatcgagacg ctcgaaattg aataactaaag ctctgagcaa attcaaacga caataacttt 300

ttactcgggtt gtctgagtga gtcccgtaat atatcgagac gctcaaaatt gaatgtttat 360
gctctgagca aattcaaacg acaataactc ttactcggga cgtgtgactg agtcccctaa 420
tatatcgcca cgctcgaaat agagtcttga tgctctgagc aaaatcaaac gac 473

<210> 3013
<211> 549
<212> DNA
<213> Glycine max

<400> 3013

ttcattgttg cacttttctg ttacaccaat ccttctttgt atgatgcaat caaattttat 60
aatctctaca ggctgatatt actaatcaag gaaaaataga cattccttgg tttctaattt 120
cattcatttg ttagaagttt ttcccaatat ctatgggggt gtttgttcca aggtttctaa 180
ttacattcct tggattctta tttttggtgg cattactatg agcaagaact ccattctctg 240
gtatttttagg aaaaaaaaaac catttgctta gtgtaccgtc cagatatgtc ttgactaacc 300
atgatgtggc cctttatgaa gctccatctg tgttcagagc ttcaaggact gtgtaccatg 360
gtactcggat ataactcagt caatcctgat gtgccccct atcaggctcc attgcctctg 420
ttgagtgaac agcttgggcc ttgcatcat ctggatatag aatccaacat gttgtactca 480
acctcaacc atcccgttga cattcacttt ataccctca gcctgataaa tgttctgccc 540
tataaaaaa 549

<210> 3014
<211> 590
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3014

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aagaggetct tgatcttcat tctcttgatt cctcaccatt tttgtgcaaa actctcattc 120
ttggttccaa atttctttct tcatcctttg aagcttggga gcatccagat ctgagttctt 180
ggttcatcca agcattttca tgcaagcttc atcaaggtag aggggtcttt ccacttcttg 240
aaccctaacc ttgttgcttt tggaagctag ccttcattgc ctgttgtttt gatgttcaaa 300
tattcgtagc tattgtcttg gctggaactg gaggatacat tactttctat tnttattttt 360

ttgaaatttt aagggttaaaa atgatttctt tgggcgtcaa aacttatggt tagcctttaa 420
 attcacttaa atcggagttt aaggatattt tgtacgatcg aatctgtcac gaaattttaa 480
 tgggtgcgtat gactatatgg aattttttcc ctaaagattt gacttaaaaa tgagtttgct 540
 aggtgtgaaa atatagggtg gcatgctaaa attatgaaaa atcgattttc 590

<210> 3015
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3015

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 agagctcttt tagagcacia aatttcgngc tcttctcttc ctctcccttc attcatctgc 120
 ttcttctctc cagctcttat acatgacctc ttatgggtggg gagcttcttc tagactcatc 180
 ttctccttga agtgcattct ctctctctct ctctctcttc cattccgctg ccattcatct 240
 tccaagaagc aaaggaatcc atagatgaag aagatcctag gcctacaagc tccaatggag 300
 cttacatcat gtggtatcaa gagcatcttc atctaggaga tgctcttttt ctctctctat 360
 ctctttgctc tatgaagtct ctttaattcc ttgggtcttca tcttattctc catgtatatc 420
 ctacattgtc ttgtgggttg gcgctgctta gagaatattt cgaaaaaat aaaccaatta 480
 aatcttaaat ctacacctgg tttttgcatt tctattgggc agaatttgta gatctactct 540
 tgaatcatgt tt 552

<210> 3016
 <211> 562
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3016

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 gtctcgataa aaacgcttcc cagccttcgt taaccgctgg atcttctcaa aatttggtct 120
 gcagcttcac aagacaattt ttcattgatct taccgttggg atctttgaga agatgtctgg 180
 agtatgcgcg aagtttccat tcccagagagc atttctcact tgtgtgtttt gagccttgta 240

gtccaagtag cttaggaaaa atgtcatttc ttctccttct ttcttcctaaa accatttcca 300
acattctaag ctcttttctcc atcaccacaca gccaccatta tccaccacat accaccattg 360
ttctccgtta agaccccaca cggagaggaa cccttcaacc gaagtgaaat ctttcaactt 420
gcctcgcggt ttcggtagaa aacaaaaacc taatctgacc ttctattttc tttgaggtaa 480
ccatgcttct atgcttggtc cttgtttgat tcagcttggtc tttgcatctt ttctgactnt 540
ggaaccgtca ttgcatgttt ta 562

<210> 3017
<211> 452
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3017

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tgaagaaggc tttcttatta tatggaggta aatactatgg tcatttggtc cacattcttg 120
tggtggacggc gacaaaagat aagactcctc tcagccgaat gacatgaact cacaagatga 180
aggaaaagcg ggatgaaaac aatgatgcat gtaagtttat tctatgactt tatcaatntc 240
aattttatga tgcaataagt gaaagaatgg tatttctttt ttaaattattg caagtaatat 300
ataatttggg ttgttctatt tttgcgctca cacaattctt tgcttgtagc aagaaagata 360
aagatccccct actcaagctg aaatattcat ttgaactcga canagtgcac atggtaaaaa 420
cccaatggat gtagaaacaa atgatgcatt tn 452

<210> 3018
<211> 284
<212> DNA
<213> Glycine max
<400> 3018

tcaggactaa aacagcattt taactaaaac aaaatatata aaaaaaaaaa cggcgtaaat 60
aatcaaattt gcccctaaaa gtgtcatggg atgacaaatt atttccggaa agatggaaaa 120
tacaaattta gtcccaaaat gtggaaaaaa aaattgacaa attaatattc aagaaccaat 180
tccacaataa gttatattct tcaaggatca attcgaattt gtcattaaat tctctagaga 240

actaatcaca tcttcaggac ggagtttagca tcaccccccc cccc

284

<210> 3019
<211> 260
<212> DNA
<213> Glycine max

<400> 3019

taatgtaatc acttactaac attgcatttt gaaaaccccc cttcaagagg taaggaatag 60
tgagagcaaca tatgtcaggc agtaaatacca gacacatctt gctaccgaag ttcaaataga 120
tctctgcccc ccaaaaaact ttaacattca agatatcaag taaaaaattg catgaaggca 180
tgaatgaata acacaggttg caagtgatca aaaatatttt tcaatacctt cctcacaatc 240
gttaattttg gatttagaac 260

<210> 3020
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3020

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taatattttt taaacactgt tttttttatt tcttttatta ctatcattca ttatacgttt 120
tcacttttta ataaaaaaaa aacatatggt tataaaatat tatgcaatta acatgtcttt 180
ggttaagaag aagattgagt aggcacctat ttagatatg tggtgacaaa aaatatgtct 240
ttgcttcttg gtgattgagt aggcacctat ttgtaattta ctgtgtgtga attgtgagtt 300
aatgattaat gcttgtggtg agtggagaaa aagcaataag aaaagggggg gaacaaaaac 360
agctgtccgg cgtacgggta cgggcgtatt agacagc 397

<210> 3021
<211> 461
<212> DNA
<213> Glycine max

<400> 3021

agcttcacga gctgcaatag aaaaggtttg atttctgagt catgtgttct ctgtaactct 60
cttggttatt aaaatgagtt ttaatttgat gtcttttgta gatgacaaga accgttgata 120

tagaacataa tatggagatt attaaagaac ttgaaagttt gagtggatgc acgctatctt 180
 ataaggccgt tggcggtaga aatggctaca aagttgcatt ggagacattg gataaacatc 240
 agtttgagaa cccatgggag cggcttggtt tatttatcaa ggaagacttc accacagatc 300
 ttgatgagga ggttttgaac ggaggctttg aagaagggga aatttttaac tgaatgcacc 360
 ttcatgcagt tctgccagct ctaagtgttt atatcccttt tagacatgga aacagacaat 420
 tattgtaaat gcacatatg tttggaatca agtctttcga c 461

<210> 3022
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 3022

taacaatatt gcatagtaat tttgtaaaaa aatacaatat tgcataatag tttaaatttt 60
 gctaagtttt acaagtgaaa aaaatagggt aaatttcact tttgattctt tattttttta 120
 ttttattcaa tttgatctct tatattttta aaaatttatt ttagtcattt atatttataa 180
 gtagtttgaa atgttccttt tgtagtcta gagttaacca tgtagtaat tcaaagatat 240
 ttcactacaa acaatattgt ttatgagtgt aatctatatt ttataatcat tagtaaagat 300
 aattatccat tctgatatac acattactta ttcttaaatt atcccttaat atatataatt 360
 a 361

<210> 3023
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3023

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 gagctaattc aaacgacaat aacatttttc tcggatgtct ggatgagtcc cgtagcataa 120
 tcagacgctc gaaattgaat ggtgaacctc ttagctaatt caaacgacaa taactttttt 180
 cacggatgtc tgatagagtc ccgtaacata tcgagacgct cgaaattgaa tggatgaagct 240
 ctgagccaat tcaaacgaca ataactttnt tctcggatgt ctgatagagt cccgtaatat 300

atcgagacgc tcgaaattga atgttgaaac tcttagccaa ttcaaacaac aataactttt 360
tactcggatg tctgattg 378

<210> 3024
<211> 322
<212> DNA
<213> Glycine max

<400> 3024

tctacattca atttcgagcg tctcgatatg ttacgggact caatgatata tcccagtaaa 60
aagttgttgt cgcttgaatt ggctcacage ttcaacattc aatttcgagc gtctcgttct 120
attacgaggc tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctgacag 180
cttcaacatt caatgtcgag cgtctcgata tgttactgga ctcgatccga catgcgagca 240
aaaagttatt gtcgtttgaa ttgtctcaaa gcttcgacat tcaatgacga gcctctcgat 300
atattacggg actcaatcag ac 322

<210> 3025
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3025

gcaagcttat gcgttagctg actcanatct tgattcagag tcttcaaagt atgtgatctg 60
tctcttgag gaagctctta gatgcccttt agatggctct cggaaaggac aagtgagtgc 120
taagttttgg attaaacatt ttatgctgat atcagtgtg aagtaatgta tttatatttg 180
ttattctttt aaattgtagg cactgaataa tctagggagt gtctatgtag actgtgataa 240
actggacctt gctgctgact gctacatgaa tgcactcaac atcaagcata cagcagcaca 300
tcaggggttg gcacgtgtat atcatcttaa aaatctccgg aaagcagcat atgatgagat 360
gacaaagcta atagaaaagg ctggagtaa tgcacagct tatgagaaac gttcagaata 420
ttgcgaccgt gacatggcaa agagtgatct tagtatggca tcacaat 467

<210> 3026
<211> 366
<212> DNA
<213> Glycine max

<400> 3026

ggaatgaatt tgttttctag caaaacaaat tattatacct atagttcata ttgctaaatg 60
gaccaatcta agttttgtgc ttttatttgt tttttgctta gctagtctct tcttaagtaa 120
tctcccttgt ttttcttgaa caataggtgg cagaacgtaa caatgatcct caattggcag 180
acttcattga gagcgagttc ttgtatgagc aggtaaaact tgcagttgaa ttcatagtat 240
ggttggattt cataagatat aagactcctt gaccattgta tgtaatacaa tactctgaac 300
tctttacggt ctaaaataat tgggtgtcttt tacacggatc aagaaaataa taataaataa 360
atgaat 366

<210> 3027

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3027

tactttctga cagacatgat tacagaattt atattttcat attggtaaat ttgatctgta 60
aacctttata ctttataaaa tatgcaaata tagtcttctt tttctaagaa ttcacatcgg 120
tttattagag ttaaaaaaaaa aaagagtaaa tgcataatata ttctaagct tgaaaatcac 180
attattaata aaattacaag atttcaatta caattatggt cggtgagata tttcagtaag 240
tttctagtat tttttattag ctgaaaaaat tatttgacta ttcgataaat aaaccatntt 300
taatagttct taacattttt tgaaacatta tttagaataa ttttttttaa aacgttaatg 360
tttaactttt tatatnnttt tattnttctc ttgatatat ttattca 407

<210> 3028

<211> 378

<212> DNA

<213> Glycine max

<400> 3028

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gagcctctat ctctgattc aggttcaacc cataaaacat tttatcatgc agactctatc 120
tatgaaatat acaaaataca cgactcctca attattctca aaataatttt aacttgctcg 180

gcctcaaagt aattaaactc gtcaggttcc cacaatgggt cctatcacia tactcgttgt 240
 gtattaactc gtcgccctta aaaagtctta caattgtgtg attatacgat tcatagctca 300
 caactcaatg cacataacat ctcaatacac atgtgtgata tcataattta acacatactc 360
 aacttgtcac ttgcacat 378

<210> 3029
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3029

ctcatttagt ggatttcagg gttgagaaat gaaaatgaga atggggtaaa tttggagcaa 60
 actctcacct cacacaagtc tataacccta atctaaactt tctcaaactg gttttacgcc 120
 taaaattcca ccaaatcaaa atttgactcc tcaacaccca atttacccta gaaatggctc 180
 ttgccttcac tttggtcatt cattntcctc ctttgtacag cccaagcttt cccgcagtcc 240
 taaatgaaat ttcaaactgg gatttactca ctctaacctc ccattaccac taaatccaga 300
 attggctttt caaatcctca nagcatcata cttttccact catatcacta cattctcact 360
 ttttaaccct agggtaatc tacccttcac ctcta 395

<210> 3030
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3030

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 aagttcttat taaccctcta gcatatattt tttattctca tccataaaaa aataagaata 120
 gcttgatgta tatatactat taattaagaa tttttattat ttataactat tatatgcaat 180
 tacttacaaa agttactttt tgacagaata tctcatatat tgaatctagt tggaacgatt 240
 caaacacaaa cttaaataatg ttttcaaatt atattgagat tgacttttaa aattaaatc 300
 atcaaattaa ttttatgcca aaaaaattag tgagatggaa caagtcataa ttactctgaa 360
 aaagagtnga actttatagt ttttaactttt 390

<210> 3031
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3031

agcttatgca cggaaaatgg tattatgaaa ttgtatatgc ccgaagaaaa caccatttct 60
 agtaaccatg cattangtac catgttcaat tatttttgtt tgggtggtgta tggttttttt 120
 ttttttaaaa atgggtttat gatcccatca tggttggctc atggtgccta acacatgcaa 180
 ctaagaatgt agtgtgaagt ttcacgcttc cccttttttg tttttgtttt gtagaggaaa 240
 acgcaaggat gagcaaacat gaaaacaaat ggtatgcaat tttgcagatc aaaaagcttg 300
 gtgaactcat atgcatgatg atgccatgac tcanaaatgt gaggtctggaa tatgataacg 360
 gacaaatgca ggaacgatat gttcattatg atgttatgaa gagatgctta tgcatgcat 420
 gatatgaatg 430

<210> 3032
 <211> 355
 <212> DNA
 <213> Glycine max
 <400> 3032

tgccaccag ctgcccagg cgagttatgt tgcttctcc agaaggcacc gccttctgga 60
 gaacttcctg gaaggtccaa gtgggcctga ttggtatttg cccccctt tttactaaac 120
 acccccctt gcctttttt gctgattcct tttccgtaac gttacgaaaa cttacgaatt 180
 acgtaatgat acttgtttcc tttccgtaat gttatggaac cttacggaat gcataatcat 240
 ccctttttt gccttccgga atgttacgga actttacgga ttgcgcacta aaacttcctt 300
 ttaacttccg gcatgtcaca gaacttcacg aattgtgcta caatgctttc ttttg 355

<210> 3033
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 3033

ggctgcagct ttaattcaat ctttgaagca tgacttacgc ctaggatatc taagtttggg 60

tttgaatgta aaaaggcatg aatattacga catgttcgag aggctgttgt tagaatttaa 120
 atttggctgc cccatgagga atactttgca tctaggtagc atggaaaata cctttcaacg 180
 gtatgtatat atgtgaatat atatagcatg aaaatgcctt gcataatata gcatgaagtg 240
 ccttacaaag tgttggatgg gtagcgtaaa agtggttttt taaaaaatat gtgtatttgt 300
 gagtaggtaa caaaagaagc cttccaaaaa aatgtgtgta tatatatagg atgtagcatg 360
 aacaggttcg tcaaaaaata tgtacatgga taggtgtcta aaatgctcac acaaaatttt 420
 atgtggcaat acgtatgtgt ataaaata 448

<210> 3034
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3034

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 gtcattccagc ttggacgaat gagaaaactg gggcaaatga agaggggtgag gatgaaggag 120
 aagcccgtgc tgtgactgcc attccaatac agccaagttt cccaccaacc caacaatgtc 180
 attactcagc caataacaaa ccttctcctt acccatcgtc cagttatcca caaaagccat 240
 ccctaaaatc aaccacaaag cctacctacc gcacttccaa tgacaaacac cacctttagc 300
 ataaacaaaa acaccaacca agaaatgaat tntgcagtga aaaagcctgt agaattc 357

<210> 3035
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3035

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 ctgcttggtg tatgggcaag attcatagat ttccttctaa gctttctcaa actgtatata 120
 attctccttt ggaattaata tgcagtgatc tgcagggtcc ttaaataagag taaatctaca 180
 aaagctttct caaacagagc tttattttaaa atacgacaaa tgattatata tcaggacttg 240
 aatagagtaa atcaacaaaa gcactcataa taactcaagg tgattgaagg attaagagta 300

gaaagtaact agccttacct tgagagctga aaaggggtgcg ccgacaacca acttttcttaa 360
aatcttatgc ggntagatga aggttcgaga ctagttatat atctctaacc ccctcacatc 420
aat 423

<210> 3036
<211> 355
<212> DNA
<213> Glycine max

<400> 3036

tttaggggta ttgactaat gaggggttat gggtagttta ttaattaggg tttagtgtta 60
cttaaccaat taggggttat gggatattga aaaattaagc tttagtgtta cttcaccagt 120
taggggttag gattatgaga caatttataa ttacttgatt gatcactatt taggggtatt 180
tgaaatttgg gattcatagg ttacttgata aattggagtt tatgtgcgtt tatctaacta 240
gggttatgaa tacttgacta attaggggtt agttttactt gatcgataat taaggggttat 300
cgtacttgag taattaacgt ctttgggtac ttgacaaatt atgatttatg attac 355

<210> 3037
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3037

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agaaatctta tataattaaa aatttctgta ttggaagctg ggtgcaaaaa cttcattccc 120
atcccagata tgacttagtc tgtgacgtcc accaggacat attttatgtt atagtaatca 180
tactttactt ttttttacca tagaagtacc taaatgttac cataaggatt ctttgntagc 240
cagatataat aatacaatca tagtcagtag tgcctctcag cctctgttaa tcaattatca 300
gaatgttagt ctaagtagcc tcgatggagg ttaataaaaa aatttataac tatcaacagg 360
gcttggtgca tctagttttc ttactactg ccaataacag aatcttgaca tangcatgct 420
gagaaactgt gacatg 436

<210> 3038

<211> 328
 <212> DNA
 <213> Glycine max

<400> 3038

tcacgcattt ggggaacctc ctttctccac tcgctcatgc tcctcgctg actcgtcaac 60
 gacgataccc cttttctttc tttcactctc gaactcatca tcatcgatca tcgatcatcg 120
 atcatcgtca ccaccatctt caatctcttc tttcaggtac cctctctcaa caccacacaa 180
 cctaaccctc ttccttgatt tcttctcttg gcgtttcacc atcattaatc aaatttatgc 240
 tcatgtgtgt gtataactgt gtgagagagg gacatgatgt gcgcaatgaa gtagaaattg 300
 gatcggaatt ggaaagagag tttgtatt 328

<210> 3039
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3039

agcttgccac ccagctcgcc caggcgagca ggtgtgcttc ctccaaaagc aacagccttc 60
 tggaggaatc tttnggaggg cccaagtggg cctgggtgct atttgcacct ctatttttac 120
 taaatacacc ccctttgccc tttntttgga gattcttttt tcgtanagtt acgaaaactt 180
 acggatttcg caacaatact tgttttcttt ccgtaatgtt acggaacctt gtggattaca 240
 taatcatccn cttttttgac ttacgaaatg ttacggaacc ttactaattg tgcaacgatg 300
 cttccttttg atttccggtg tgtcacggaa ccttacggat tgtgcatcaa taccttcttt 360
 tgatttctgg catgtcccgg aacttcacaa atttcccaat gatgggtgcc aagcacctca 420
 caaggaccaa acaaaag 437

<210> 3040
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 3040

tagcccaatt caattcaatc tgaattgggt taagcaatag tacattcgct tagcgcac 60
 tgtttagtgg ctaagcatgg tgcacttatg ctaagcccta ttctttgcag ccaaatcaat 120

ggtttaattg agctaagcgc aacgcatacg cactaagtga acttccttgc ggcttgata 180
 gcgctaagct agcaaccact cgctaagttc atgccccctt gtacacaggg tgcagtatat 240
 tcgctaagtc gactaagagt gcagcttaat gagagttgca ggttttctta tctgcacacg 300
 tcgcttagcg tgctgctttt cgctaagcgc agttttatgt gtaaaaaaaaa a 351

<210> 3041
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3041

gcttgactga gtcacagag atatanattg tgaccatggg catgagttca atgaatgatc 60
 tctcatctat catctatctt tcaatctatc tttcaatc tttttcatc tttttcaaca 120
 gatctttcta aantatttct cttcattttt ctaaaagggt ttttcaacac tttctcttcc 180
 cagaaaagtt ntttgggtcaa aaacttgtgc tattcatctt tttcattcac ttat 234

<210> 3042
 <211> 255
 <212> DNA
 <213> Glycine max
 <400> 3042

tgcccttggg ttagacatga ttggtacatg atttgggtact ttaggattc aatttgggca 60
 aaattggatg agggaaagag tggttttcga aatctgcact ttatgcagaa ttttgctggt 120
 gaaatgtgca gcagaatttt gtataagtgc agaaaaatac ttgtgcatgg ctggttgtga 180
 aaagggtagt acatatgggg ttgtggacat tttctatcat agcccatcgg tacaatggt 240
 tacttttgta ctata 255

<210> 3043
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3043

aacacacttc aatcaaaatg ggtttggccc taggtgcaca agatatggaa tggaacaact 60

tgatgtgagg atactttctt acatggtaag ctngaaaaaa aatccatgat actcatgcag 120
 aaagtnttct cccaaaagggt gaagaaaggc aggtatgctt gctaaaaatg tcactttatg 180
 gccttaagca atcacctcgc tagtggtaca aaagggttga tactttcatt ttttaataatg 240
 gctttaaaag gtgcgagtat gatgggtatg tttacttgan ngacaatgag catgatgcta 300
 ttgtctactt 310

<210> 3044
 <211> 396
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3044

tggtgattnt aacgttaagg atgaaatggg aattgaatgg aagacgcata gcaaacaac 60
 aaacagatct ttaattatat aagagtaaaa aatcaagaat atttttgagt tgcttcggtt 120
 ccacattgag cagtctttgc ataagaggga caaatacagc aaactagaag caacaaataa 180
 cgcattcacgt acctttttct gacttgatcc cggaggagtg caaagcaacg tcggtggtgc 240
 cggtgccgga agagtggagg tggcggtccat agttgatggt tggagttaga atgttgcaat 300
 tacaactgga aagaacccat gtgcaagtag aagaagagtc tcataaggta aagctcatta 360
 ataaataaag catctatctt ttgtgatcat tgcatt 396

<210> 3045
 <211> 446
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3045

agatggacca tttcatgtgc ttgaaagaat ctttgaaaat gcttacaag ttgagctgcc 60
 cggtagatgat aatgttagtt ccaccttcaa tgtctctgat ttatctcttt ttgatgcaga 120
 aggagaatcc gattngagga caaatccttc tcaagaggga gagaatgatg aggacatgac 180
 caagagcaag ggcaaggatc cacttgaagg acttgaggga cctatgacaa gggctagagc 240
 aaggaaagcc aaggaagctc ttcaacaagt gttgtccata ctggttgatt acaagcccaa 300
 gtttcaagga gaaaagtcca aggttgtgag ttgtatcatg gcccanatgg aggaggacta 360

aatgacacca ctttgtttca atttttagagt gtttagtttg gctaaataat ggcccaatcc 420
 ttgtaaagtt ggctaaccaa aaatat 446

<210> 3046
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3046

tgacacagct tttaaacttt caactttgct tttagctatt atgctttgtc aaccagctcg 60
 ggcatatgtt cagttagata aaattcaatt taaccttgtg tttggattat gaatttcaaa 120
 atttcaagga atttgaattg ctttgatttt aattttcttc atttttcaaa tgctttgttt 180
 ggataaatca attcaaattt aattttcttc attttaaatt ctttgtttgg atagggtaat 240
 ttaattttct ccatatgcaa aattttaatt ttatatttta aatagatgaa attttaatat 300
 taaactttat agaaaataaa cacaatctaa ttntgaaata ttaattaaaa aatattttc 359

<210> 3047
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3047

atggacataa canacacatc cttattatgt agatcatgac agttgtgatg agntttaagg 60
 agatgaaagg aaagggaatc aatatctaga acttacaatg gaaggcagtt aatcaagaaa 120
 aaaactatag acaaagcttc aaaacaaaaa taaaagggga aaatgcttga agaataaatg 180
 tcttggtcac atcaagcaga tcttgattct tttgctcatc aatgccattn ttgttgtggc 240
 atataaggac aagagtattg agatataata cttttttgtt gcaggatatnt ttgaaaatca 300
 tgagaaagat actcatttct agagtcagtg cacaagatcc tagtgcttgt gagaaattaa 360
 ttctcaacat atgccatcaa attccgaaac attgtgaaaa ccctaactat agagcaaa 418

<210> 3048
 <211> 289
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 3048

tgngaggatt gatggggacc cgggtgttgag agaaacgatg atatgggcta cgtgggagta 60
cgtgagctca gttggagggtg ggcaacaggg gatgggtgggt ttatgcgcgc attgtggatg 120
tggaaaactt gttgtgcacc atcgcccgac cgccacctag taccacatgt gatgggtacc 180
ccataatcct acaagcttga gatgaggaag tggtgaaggg tgaaacttcc tgcttttatt 240
gttgaccaca gagtgggtact tggagatatg tcgtgggggt caggagacc 289

<210> 3049
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3049

agctntcttt ggctatctct aagactcana gcatgatagc acgcagatac taatgttgtc 60
ttctacaccc tttgtcaatc gcggccaaca aaccggttga cacatggaga tttacgtcat 120
cttccgcgca gacaaatfff gtcaaactga tactggagtc acgtgacatg cggagatacc 180
cgagtgggta tccgtaacaa cttttgctat ctctaagact cgaagcatga tagcaagctg 240
agtgggtaaa cgcgagata caaatfffgc gccctttata attcatgaat gacaagctga 300
gtgggtaaac gcatagatac agattctacg ccctttatca ttcaggaacg acaagctgag 360
tgggtaaacg tgagatatac gattctacgc cttttatcat ttaggaacga caagctgagt 420
gggtaaacgc atagatacag actttgcgcc ctttatca 458

<210> 3050
<211> 382
<212> DNA
<213> Glycine max

<400> 3050

tctttgtttc agatgaggca gatgagtttg tagctacctc atgctgtgag ttttaagcca 60
tctttctaat caagtttctg gcttcagtag gagtcatgtc tccaagggct ccaccaccgg 120
cagcatctat catacttctc tccatattac tgagtccttc ataaaaatat tggagaagaa 180
gctgctccga aatctgatgg tgagggcaac tggcacatag ttttttaaatt ctctcccagt 240

attcatatat gctctctcca ctgagttgtc taatacctga gatatccttc ctgatggccg 300
 aggtcctgga agcatggaaa ttttttttct aaaaatactc tcttaagggtt atcccagctc 360
 gtgatgaacc ttggagcaag gt 382

<210> 3051
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3051

tgatctcttt taaaatgtag atctacaaa atcctgagac taattttacat ggcacaaaaa 60
 cactgtcaca aacaggcttt aatgacagaa atggattgcc taacccccctg cctgagaaaa 120
 caactgccac atatagaata taactgtctc gtacatgcct ataaaaaaaa actgtcgtac 180
 acaaattatg actgcttttt atttttactt tttgacatga accttcaatt agaaatattt 240
 gcttacaaaa aaaaaactct acttttagaaa tatcttacac tttngcaatt aatgatttag 300
 ctatccctaa gattaacttc aacatgcctt tggactaaca aaaatgaagn tactcattat 360
 ctatatccat ttctgactag accaagttct aat 393

<210> 3052
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3052

gacactatga aactatgcat ctcagctttn agagcagctc cacacctaca tttctccatg 60
 atagaagaaa aataaaatgt cttgatgagg aatgtcctct taactggtag ctagttcttg 120
 tttgaacctg agtctactgt tctcttaact gatatggat atttaaaatt atgcttttgt 180
 gattataaca ttattttttt gggcatgctg gctttttttt tttttatcta attatgtgat 240
 atgagaaaaa cattctactg aaaaagaaat ttgttcttaa ggtgattata atttctgtag 300
 atttttctta caatcacatt ttgtttacta tactaacttt aaaatttttg ttttatagat 360
 tttattgtag tggtttacat tatagattct ttacaggctt gggacatctc atg 413

<210> 3053
 <211> 209
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3053

agaagatggt gagaggacta ccctctatta accaccttga tcaactctgt gaaggatggt 60
 tattggcaag caatttagaa tgagttttcc agaggagtca aacgcaagag ctaagaagcc 120
 acttgagcta atacatgctg acgttngtgg gccaatcaag ccaagctcac taagtaaaaa 180
 taactatttc gggcttttca ttaatgatt 209

<210> 3054
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 3054

tgcacaataa gtaattaatt ctattttttt aaaaggaagt aactaactaa ctaacttcca 60
 ctaatatata gagtgactac tcataagaaa gggatgagaa ttgattaggc ccatctaadc 120
 tacctaataa aactaacaaa gctcaaactt gcagcccaat tattcaagt tagaggttac 180
 aacttccaag ctcaatttga ccctcgaaat gacagaattg gccgaaactt atttgtgact 240
 taattgaatc tctttttctt aaatttccat agactactca catgctccat ttgtagtgtt 300
 gtagtgcct ataggcccta cataaagcag atagggtcaag taagcacaaa atctaaaaaa 360
 tagc 364

<210> 3055
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3055

agtcatttat gatcaggctt ggaaagggat tgatganaat aagtgggtcca agatattttg 60
 agaatggcca aaccaaaggc ccttgcgttt taataagaac ctcttcattg tctaaatcca 120
 ggaaggacca ctttcagaaa gaaaattatt aactnnttta agaaaaactt ataaaccctt 180
 atttgaaaaa aggtaaaaac ctttntaaaa gagttaacat ttttgatatt ttnttttcag 240

tttattagcc agtattatTT ataaaattat tacaaaatTT aaacatatTT attataggaa 60
 aacgtataaa atatgataaa taacataatt agctgtctct tgataaataa caatattctc 120
 aagagtatTT aatTTTTaat taaagaaaaa gttagtTgcg gagaggccca agcctcttgg 180
 tcattggTcc tccctccctc atctatctct attcttacac gcttatttct tattttatTT 240
 taagaaaagt taaaaaagga tccacggtgg gacctgaatg aaaagaagga ccgaatcttc 300
 gttaaagcgt agatacagat aagccttTtg gggTtgacgc gttcatcacg 350

<210> 3059
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3059

agctTTTtacc agTgcattaa aaaatctcca ctctatctca naaagatctc acctctattg 60
 gcaacctcca tgcataaatg tatgtgaaag atcaagtcac tgcctacca cctggattgc 120
 acatctcaag ggccactaat gttaagattg ttgctgacaa ggggtgtcca tgactaccta 180
 tatgggatgc tTTaagtTgt actacaatga agagatgcct tcttcaaggc agatgaagat 240
 ggaattggTc aactacccta gaaattggag tTcattgtTc aataggaaga agctggTtgc 300
 tgatcttgat gcttacaatg tatgactTtc tggaatcaaa tcttatggac gaacactcag 360
 naagcctaca cctctagtta tgatgg 386

<210> 3060
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 3060

tgccagtgtt gatgccaggg gatgatgtgc caaagTTtat agccatgccg tgtccgtgcc 60
 agccttcaag accagacagc atcgTtgTca ccgtcgaaat ggagaagcca ccgccc aaac 120
 cgccgcaact accagtccct tTctattTgt aattagctgc tTccaaggTt tcaaaatggg 180
 ccaagattct tctccacaac cacaattTtc aaaatatcaa tTatcaaaga tcacagcgaa 240
 tcttctggaa ccacagtatc atagatcacg acaaaactTc tgaaacctaa atttaaaat 300
 cttggctagt tgtgctactg cTtctcatca catgTttcta tTtccacca tTtgtTgtac 360

taatgtatat tcattttgtt cacc

384

<210> 3061
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3061

agcttgtcac ccagctcgcc catgcgagca tttatgcttt ctacancagc aacagccttc 60
tggaggaatc ttttgagggg cccaagaggg cctggatgct atttgacact ctattgttac 120
tacatacacc ccctttgccc tttatttgga gattcttttt tcgtaaagct accaaaactt 180
acggatattc gaacaatact tgttttcttt ccgtaatcgt acggaacctt gtggattaca 240
taatcatccc ctttattgac ttacgacatg atacggaacc ttaactaatg tgcaacgatg 300
cttgcttggtg atttccggtg tgtcactgaa ccttacggat tgtgcatcaa tacctttctt 360
agatttctgg catgtcccgg aacttcacac atcttccaat gatgggtgcc aagcacctca 420

<210> 3062
<211> 355
<212> DNA
<213> Glycine max

<400> 3062

tagcccaatt caactcaatc tgtattgggt taagcatgag tacattcgct tagcgcatca 60
tgtttagtgg ctaagcatgg tgcacttatg ctaaacccta ttctttgcac ccaaataat 120
gggttaattg agctaagctc aacgcatacg cgctaagtga acttccttgc ggactggata 180
gcgctaagct atcaaccact cgctaagatc atgccccctt gaacacaggg tgcagaatat 240
tcgctgagtc gactaagagt gcagattaat gagagatgca ggttatctta tctgcacacg 300
tcgcttagcg tgctgctatt cgctgagcgc agttttatgt gcaaaaaaaaa aattg 355

<210> 3063
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3063

[illegible]

<400> 3064

<210>	3065
<211>	418
<212>	DNA
<213>	Glycine max

atcttagaga	taaaatccta	tatactgggt	actaaaaaga	taagagggtt	cctagaaata	60
agctattaaa	gatataaatc	atatccctta	aatctccaca	ctatcataac	aaattcatat	120
catatgtcaa	caacatgaaa	ggaatgttag	tttttaattt	taagttgtat	tgaaatattt	180
tttactccac	tnntttctaa	tttgggttac	tctntctgat	aacattatct	ttctttcacc	240
tttcttacta	cttgatcctt	tctttgtgct	tgtctaatta	aattagtaaa	tattactggg	300

tgatgcatat ctttgttgta ctttgcatt gacattgata catctttagg gcatacccat 360
gtggcagagg cacttataaa tccaattcat attntnttca caatgccatg gacgtaag 418

<210> 3066
<211> 397
<212> DNA
<213> Glycine max

<400> 3066

tcatgcaact ggaacatgga aagaagacag tatatactat gcattgaaga tttctcaaac 60
cttatcacc c atacggcaa ttaaagaaag cttttaatgg aagccaagag aatgaaagta 120
caccaaaaag ccttaggctg aaataaagtt tatgattggg taaaggacat cgtaagtatc 180
tttggaaga acccaaagaa ggaatcattt gagaagaaca tatggaagaa aaggtcaata 240
ttctttgatc tttcactatg gtctgatcta gatgtacgac aatgtataga cataatgcat 300
gtcatgaaaa atgtttgtga tagtttaatt ggcaccatta acattaaaga caagacaaaag 360
gatggtttga aatgtcatca atatttgatt gacatgg 397

<210> 3067
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3067

ttaagtcacc tgcggctgca gcttaagaaa agatggctag anattcttat tttccgaagg 60
gaattctatc aatagacctc caatctttaa tggagagggt accactactg gaaaacccga 120
atgcaaattt ttatcgaggc aatagatcta aatatctggg aagccataga aatagggcct 180
tatataccca ccatagtaga aagagtttca atagatggta gttcatcaag tgaaagcata 240
accatagaaa aacctataga tagatgggtcc gaagaggata gaaaacgagt acaatacaac 300
ttataagcca aaaacataat aacatctgcc ctaggaatgg atgaatattt caaggtttca 360
aattgtaaga gtgctaagga aatgtgggac actcttcgat aacacatgaa ggaactacag 420
atgttaaaag atctaggata aatgcactaa ctcatgagta tgaatta 467

<210> 3068
<211> 393

<212> DNA
<213> Glycine max

<400> 3068

taaaggggtgt gcagtgttgt aacaatgatt tacatttata gaaacatatt catccaaaag 60
cagtaagaaa ccacagatgtt gcaaaaagca tgttattgct tctttttctt ttatgctttt 120
tgattaacta gaaacaacat taattgaatc cttactgccg ggttgctttt caggttcagt 180
tgtattgctt atttcccttt agggaaaactt ataaccaaaa tgcttcagga aggtcttttg 240
gccgagatgt ctattttttt ttttaagtga tgtgctctag ttatacatgt atgcattcat 300
tagtaatatt gattattttac caccttccaa aaaataaatt gattattttac catcagcata 360
ctaatagcta catacaaaaa agtggtttgat gca 393

<210> 3069

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3069

gctttattgt cggtcgaaaa cagaatatna ttattgagaa naactgtagc ttgcatttga 60
gaataaaaatt atcactacca tacatattta aaatggacct caaaggccaa cttgcatgga 120
tatctactat aaactanagc taaagaacca ccccataata ccctctacaa caacatgtca 180
gggacagtac ctaataactt ctaggggtatc tattacactg gttagtttat acaattaaaa 240
aaaaatatac actatgaaga ataatgttac atagatgaaa aggaccaat attttccttc 300
ccatgcaaac cagaaatctc tattggatgt gttgtttaaa tgctagagcc agtcatgaca 360
tgatgatttg cagcatgaaa gaatacaagc atatatacat atgtcatatg tataccacta 420
ctgtatgtac atatacatat gcatatgggc tttcatatg 459

<210> 3070

<211> 369

<212> DNA

<213> Glycine max

<400> 3070

actcaagctt tagtcggatc gtaggagtat ttagtggtgt aatgggtttt gctttattta 60

tcaagtttgg tcggtgttc acaggcatta tttttttaat ttacataagc agaatttcca 120
 acccaaaaaa attgaagctt gtgaagatat gtcaatatct gggttacacag tctaaatctt 180
 aattatgatg attaaaaaaa cattttattta ccatttagat taagaaaaaa gtgggtatat 240
 ttactcttac ataggaggca ttattttatat tctctttttt aatatatgca tttcacatat 300
 aagtaaaaaa aaaatctctt tcaatgatct ccaactatcc tccttttatca agggatttaa 360
 ctcatatga 369

<210> 3071
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 3071

taagtcacct gcggcatgca agcttgtttc ttgatttgac atataaggat ctatgtgctc 60
 tttttatctt cctcagatgg aacaataact gctttatagc catcaagtat ctctgcccac 120
 aagattgcag aaaaccatac aatcagctat tcttggtaga taactattct tttgtcatac 180
 ataacgaatt tcatataagt gacagttatg tataaaccat ggcttaggat ttgaaaaggc 240
 tatagatgat atgcctgcca tttccacagt atcaactaga ctaaggtaaa tagctcatgt 300
 taaaaggaaa tcttatttac cctgttcatt tgccatatca agaaaagcct gaagcttaat 360
 agcccgcgg tagtacatca ttccccttac tgcattaatg tataagtaca ataggaacaa 420
 tattaatcca ccaaaccctg tctgtg 446

<210> 3072
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 3072

tgggaaagtc cttctgattc tgtttataca tttttgactt tatggcttta tatgaagtac 60
 aaagattaga gcttttgcta gttgttatta atgaatagct taaacacttg tgcgtgagtg 120
 aaacaatggc cgtgagactg tggtttttagc tactttcctt gatatttgct ttatgcctaa 180
 cttcatctaa ttggtcaggt tacattttat tcttctcttt ggataactgc atgtcttgta 240
 aaagacaagt gatgagggca ttttgcttca ttctcttata atgcaatcaa taacttttgt 300

tgcatcacacc tttgtacata gtaactgcat gttattgtca cttggggacc aatgaactgt 360

<210> 3073

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3073

agcttgccta attaacctaa anatgagaga natatattat tgaacacaca aattgaaagg 60

aggtcctact gagcgacttc cgtttcttct tgggtgcggct tcatctctcg gtcctactga 120

gcgaccatcc tttctagctt aggggggaaat tccatacctt cgtcttcttc aacctcaggc 180

cgattcacat ctcatcctaaa atcgatggta gggctctcag tattagtacc ttcacaggac 240

tcgtgatctg atctgtatcg tttaaacgca acagaaaata aacatgcaaa tgaatgagaa 300

tgggtgaagg ccaagaatag atgaaggaaa gatctttata ttatatTTTT taatagcgaa 360

agacataaca ccttaacaag gagagaaacc ctaaagccta tgcccagctg taggggtaaa 420

gctaaagcat taca 434

<210> 3074

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3074

ntaacctcat cgtctctcac agtctttaga tttgggagcc aatccagtcc ttgtgttcgg 60

actcttagcc acttatgata gccgccgatg atctcattac tgcttcccct aagctctctg 120

tcctttcttc acgccgcac ccattgccttg cgaactcctt ggagtaccct cgcgttgtgg 180

tcactgaaac ctctgtcgat gaaaggcgtg atgctttcgt ctgatggcac tcctctcatg 240

ggacatcctt cgccgctctt ttcacatccc cggtcgaacg tgcatacat ggccaaaatg 300

gcgacgaccg ggcttttctt gccatgatga aaggcgagga aagcgtctat cgctgctatg 360

tacactaacc ccttccatat tcgga 385

<210> 3075

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3075

agcttgcttg gggngcttct atggagacta gatctttgag cttaaagtga ggccttcaat 60
ggtgattttc caccatggag atgcagcgga agacaaaaga gaagaggtga gaggaggcgt 120
catccactac ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
agaagcttgg agaggatgct ttaatggagg aaaagaaaga ggggggagca tgatattgaa 240
ggaagaaaaa aaagggagag aagttgaact ttgagttgtg tctcacaaga ctctcattca 300
tcagagttat aacaagtgtt acacatgctt ctatctatag actaggtagc ttccttgaga 360
agctttctta agaaaacttc cttgagaagc ctctttgaga aaacttcctt 410

<210> 3076

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3076

tcagactaaa gcaacacaaa atctatgtat ccaaaacccc tcaatttaat ggattttcaa 60
ggtttgagaa gtgaaattga gaatggggta aatttgagc aaactctcac ctcacacaag 120
tctataacat caatttaact tgttcaaact ggatttacac ctaaaatttc accgaaccaa 180
aatttgactc ctcaacaccc aattttaccc tagaaatggc tctttgttca ctttggtcac 240
ttgtttttct ctctagcaca gcccaagctt tctcataagt cctaaatgac atttcaaact 300
aggattaact cactntaacc tccaaatacc actaaatcca gaattgggct ttcaactctc 360
aaagactcac tctttttcca ctcat 385

<210> 3077

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3077

catgggtgga atatagatta ngagtttcaa actaatgaat tggataaatt ttttgaattg 60
aatggataa tcattaatcc atttatgac cattaaaaat gtactacaaa aatctaattc 120

atccataact tatttcataa aaaaaaaggg tccaatccat ccattatatt ttatTTTTtct 180
 aaaacaaaagt ttaatatTTa tacacattct tacacccaaa taccatagaa tccaatattt 240
 gtctcataaa gacaaaagggt tcattgtcta tccaatagca aatgggtgatc caattcaact 300
 aatctatttaa ggTTTTTTTT tataattgaa tagattgatt ggTTgattta tacgtgatgg 360
 atcggacggt tagtggataa acagatngaa tntccacata tg 402

<210> 3078
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 3078

ttacatgtca aattcttTgtt cccaccacat tatgagTTTT taagtTTaat gggcagcatg 60
 ttgatatact gaaagattca atgttccaaa tgaataataa tcaagtggcc tagtgcattct 120
 gaatTTTTga taatcaaattc aatgcataag ccctTTaagc atgtTTTTgat gtcctagaaa 180
 tagtagattt ttaacatttg agcaagaaaa tcaaaacata cagtcattcac tctgtttgct 240
 gcactgacac cagcttcacc aaacatagca gttgctgctt cagtgcacaag agcagttgcc 300
 ccaatattga ccaccctgca tacaacaaaa tactagcatg agaaacattc tatac 355

<210> 3079
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3079

agcttatgaa cccatactag tcgcttcaat gctttgaaac angttctttt ttggctctag 60
 agctagaaaa acatgacaac tacgactttc ttgtgagaga tcttgctcca atttgggtag 120
 ccccatgtat gatactttac atagaggttag catggaaaac accttgcaat agtgtgtata 180
 cataggtgaa tattagaagt atgaaatccc tagcaaagtg tgaatgattg tcttcctata 240
 tgaatgtctg atagtgtgga atgcctTTTT tgaatgcaaa tatgtgcagg atgtaattat 300
 tttctcatta tgcataataa taaataggag tgaaacacta aagacttgta tgggtgactt 360
 cacctgtatg taatgtagtt gttgatacag atgtctatga tataaattag gtgtgaagtt 420

<210> 3080
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 3080

tctgttggtc aatttcgaac gtgtcgatat attatgcgtc ttgaatcgta cctccgagtt 60
 aaaagttatg accatttgaa tttctcgaga gcttccgttg ttcaattacg accgtctcta 120
 tatattatgc gccttaatcg gacctccgag tgaaaagtta tgaccatttg aattgggtcaa 180
 gagcttccat tgttcaattt cgagcgtctc gatatattat gcgcccgaat cggacatccg 240
 agtgaaaagt tatgaccatt tcaatttctt gagagcttcc gttgttaaata ttcgagcgtc 300
 tcgatatatt atgtgcctga atcgagcctt cgaggttaaaa gttatgacca tttg 354

<210> 3081
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3081

agctntgagt tggatatctgg tcttagaatt aattttgcta agagccaatt cgggtgtggtta 60
 ggcaaattctc aagattgggtg tagtcgtgct gctgattact tgactggag ccctctgcag 120
 tttcctttct tgtacctagg gatgcctata ggtgttaatc ctaggagg 168

<210> 3082
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 3082

tgtcccctgc tctaacggca ctatcccact aatccctttt ctacccttac gcataatctt 60
 gaaggtaagc tggcctcatt actctccttt tgggcttttc catattctgc acctctgctg 120
 aatgttctct ttgtaccctt actctgtgat ctgtgttttc cctatcatcc cgcggccctt 180
 gggaaatcac cttgtcctca aggtgatagt cattaagcaa agcagaccaa tcctcccaag 240
 acgtatcatc tggggataag ccatgccatt gaaccaagac ttcccaagct tctgaagggg 300

ttctgcgata atccacaatt gctgccggag tgagaagggg ttgatcatta tgaaattgag 360
cacgtagagg cgcgaaggaa gtgatgt 387

<210> 3083
<211> 337
<212> DNA
<213> Glycine max

<400> 3083

tggcctagcc cacatcacat gttatgtgca atgcaattgc atacaaatgc tgacttttcc 60
ttttaaaaaa ataataaaac aaagatattt gcggggtccca tgttgctcaa aacgtttcgt 120
tatcagtttt cacatcttct gtaggtacat gaacatgtcc tgcaagggcg agagctggcc 180
catttgatac tgaacagtgc caaaaaggta atcatccacg gaaaggttat tatcgtccaa 240
gtaattaaac tgacaatcaa acgcggtttc tagcttttagg tccagatcat cgttccactt 300
ggggtcgctc tgcacctccc tctcgcacgt gacatcg 337

<210> 3084
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3084

agcttgata aagcttcaag tggatcatca tcttattaag gggcgaaaca cgattcaagg 60
gcttgcaacc atgggtgtca aattctagag tcaacttgta gactcttacg agattaagag 120
tttaattggc ccctatgaat gaaattggaa gtaaaactcat ttttttatca aactcagagc 180
agactcgggtg aactcgtgtt agactcatgt aaactcgcga gtctatcccg agtcacacgg 240
gtttagttgg gaattatttt ttttggcaat aaaatcgaaa gtaaacttgt tttgtgccca 300
ctgcacgtg aaaaaagttg atcgcgttta gggattattc ttcttttggt ccactcttga 360
ttgtcccaat ttgtccctgt tcttcattca tgacgagttg gaggcctaaa gctgntcagc 420
agcagc 426

<210> 3085
<211> 347
<212> DNA

<213> Glycine max

<400> 3085

tctgcatggt tagagatttc tagttagaga atgttttatt cgggttgctt ggggactgga 60
cgtaggcaca aggggtgtggc cgaacctgta taaatttgag tttgcacttt cttttccctt 120
aatctccttt atttattatt gctttatatt catattcaaa ttgttttatt tgaatcaata 180
tttaagaaga ttgtcattaa gggaattcat aacttgaata aaaagtgaat tacattttta 240
attggggaag tagtttggaa tatcttaatt caaccccccc cctttcttaa gatattctgag 300
gccgcttgct taacaagtgg tatcacagct ttattcttgt ataaagt 347

<210> 3086

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3086

attggcaatt ccaactgcat caatgcatct ttaacaagca taccacgaac cagagcagca 60
accaagttga ccttcttttg actctaaaat accatagaaa acaaggtatg taaaatgtgc 120
aactagtcag atattaatca gatccttctt aaaccataaa ttaagggcat ttccacagca 180
naccagggaa ggcatattcaa tggctaaaaa attagatgcc aacttttctg caaaataaca 240
tgttgggttaa aacacagaaa tttcttagca tgtagctagg cagtggcacc acatanatgt 300
aacaaaacat tgtaattttt caatatttat gttatggcta agctgaacat acttgtgata 360
atacttatgt tcacttttagc atgcatact 389

<210> 3087

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3087

aactaagctt cataacattt agctagaggg agtgtgctag aaaatcttta aaacatttta 60
atatcataga caatagactt tattctttgc tatatcaaat gatgaccacc ttcaagggtca 120
catcaactat atttgtttgg aacttttcac aatatggaag atgacgaaaa aatgctgata 180

gtgaccacaa caatgcaaaa ttttataata gtatgttaca acggcctatg gggagaggaa 240
 aagaaggaat ataccacggc cggggccac gatgcaacat actaccttaa tcacaaaata 300
 aacattatgt tgtcactcac tatggaattn tgcaatccac aaacaacaac atatggggag 360

<210> 3088
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3088

atcttcttgt tttctaagtc ttgacaaaca acaattcatt caccagtttt ttcaaattca 60
 aaaaggacga accaaaagta tatcatttgg atctatggta cgatagatgc cagcaaggtc 120
 ccttagagtg atgttcttca agctaggaat ctaatctatg gcagagtcta gatgaccatt 180
 tgtcaaatag tttgcatttg aaaaagaaga tcataataga aaaatattaa tacatagata 240
 tcataatcat aagggaacttg ctaattagta tacttgggta ttagttaaaag aactaaaaga 300
 agaaaatgat attgcttatt gaattacata ctacactgct atngtaagac atagtctgct 360
 tttccacaat tatgttacat ggtaggtaga gtattaatga caactgagca ataataagatt 420
 gaaccctt 428

<210> 3089
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3089

gcttgtgcat tcaatatacct gatgaggggtg ttccatatgt tctcaagact gttctaatac 60
 attcgtgcc caagcatcat ggtcttgcag gtgaagatcc tcataagcat cttaaggagt 120
 tccatattgt ttgttccacc atgaagcccc ctgatgtcca ggaagatcat atctttctaa 180
 aggcttttcc tcattctctg gagggagtgg caaaagattg gctttactac cttgctccca 240
 agtccatttt cagctgggat gaccttaaga ggggtgttctt ggagaaattc ttccctgcat 300
 ccaggaccat tgccatcaga aaagacattt caggcatcan gcaacttagt ggagaaagcc 360
 tgtataagta ctgggaaaga ttcaagaaat tatgt 395

<210> 3090
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3090

gcttgtgact gtaatagtat gacataacca cctataactc taccattctc tgatgatttc 60
 tgacatagnt ctctgtacag gttttctaaa caagcaaaac cccaactata tttttttatg 120
 ttgtcaaagt catgtaatag gttcaaatac attagatgaa ctctatttcc agatttatca 180
 agtattaaaa agccaccaat tatgtacatt atgtaagctc tacacctaca ttgtagttgg 240
 ggtattgttg gttcttttagg taatggtgtg cacaagatgt taagcaacca tgtcagcttc 300
 agtgtggctc ccttacatgc attatttggg ggcacttcac cgagtaactc gtcgcataac 360
 taatcccaat gtaagaagct aggtcctgtc acaacacaac catcgaccct aatgcctaga 420
 tgcagtgcaa catcttcaag tgtgatagtg cactca 456

<210> 3091
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 3091

tgccaccag ctcgcccagg cgagcaaggt tgcttccttc agaagcttta gtcttctgga 60
 ggaaggattt ggaaggccca agtgggcccag attgctattt gtaccccctt ttactaaat 120
 gcaccccctt ctattttttt ggtaattctt tttccgtaac gttacgaaac tgtacgaatt 180
 ttgtaacgat acttattttc cttccgcaag gttacgaatc cttacggatt acatatttac 240
 tcttttttag ctttcgaaga agttacggaa acttacggat tgcgcaaaaa tacctctttt 300
 cgacttccgc cacattacag aatttcacgg atagtgaag cttgctatct tttgatttct 360

<210> 3092
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3092

gcttgagatg aggaagtgct gaagggngaa acttcctgct tttatggttg accacagagn 60
 ggnacctgga gatatgtcgc ggtggtcagg agaccttggg gacgtcaggt ggggtgctat 120
 tgcccaaac caagcttgac caatcccgac ccaacccggg catagtcggt cagtgagaac 180
 ctgtgatgta cctaagcagg cgagctcctt gcagtcaacc gataaaagga aaacaaagac 240
 cacaaagcaa ggaggcttgt ggtggctgac cagctgtgaa tttgtgtgat atgtggagta 300
 tagtctctgg taatcgatta ccaaggtgg gtaatagatt acaaggctta naaatgaaga 360
 caggaggcta agatggtctc tggtaatcta ttacca 396

<210> 3093
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 3093

tgtccacaaa aataggtttt tgaaagttaa tcatttcac tccttactat agtaaaagga 60
 tcatttttaa ggtccaacgc cttaaaatga tcacctttca agtaaaaaag agtcacttga 120
 ttcacgcata agaaagaact atgtaggtat gatttcctca tccaattga ggaatacgta 180
 gcagtaaagg gaaataccct tgtcgacccc aaaaagagaa aaaatataaa aagggtataa 240
 aggatataag gacgtaaaag ggaacataaa aatctaagtc atgtttgcac atttgattat 300
 aggctgccgt ctcttatgac ggacgtgtgg ggtgctaata ccttccccat gcgtaaatat 360
 aact 364

<210> 3094
 <211> 466
 <212> DNA
 <213> Glycine max

<400> 3094

agcttgtctc agcgttggtg cgagacggag actaacatgc tagctatcat cgccaagtac 60
 caagaagagt taggtctagc cgcgccccc gagcatagga ttgcggacga atatgcccac 120
 gtatacgcg gaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
 atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgtttgtta 240
 gccaaaggcca aagcgatggc agacacctac tccgcccccg aagagattca cgggcttctc 300

ggctattgtc agcatatgat agacttaatg gcccacataa ttagaaatcg ttaggaaact 360
 tgtatgggtct ctcagacctt gactagatat gacttccttt ttgaaataaa atgagttggt 420
 cccatgtttc tactccaaaa aacttgtgca aatcaaatca cttcta 466

<210> 3095
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 3095

tctagctcta taatattata ttctatctta ctttcctttc tctctctccc ccatgtttctc 60
 ttcactttcc ttctctctcc cccatgtttt gtctttcttt cttttctgat tacgcactca 120
 ctcacatgca tgtgtaacaa ctaaaataat taatataact attttaaaac cattactaaa 180
 gctttttttc ataatagcgt ttttagcact tttattaaga caaccctaac actacaatct 240
 atatcccggtg catgtcatcc catatgtggc tagaggtttg tattgtgttg tgggtcaaggc 300
 tgcttacgca ctagtgttcc tgatgaaaca ctacaatttc tacagttgcc actttagaat 360
 tttggaaaat caactaatgt tgttagcact ctaaatt 397

<210> 3096
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 3096

aggctgcagc tgcccagaga agagtcacgg agatttctta ccacctcaca agactggaaa 60
 gcgggtttcta atgactcctc tacggcctcc acataaggca tagaggatgg gcagctcacc 120
 aagatgtctt cctcgctga tatgatgacc agatgccctt ccactacgaa tttcaacttt 180
 tgggtggagtg tagagggaac aactcccact gagtggatcc acggccgccc caacagacag 240
 ctgtagggggg ggttaatatc cattatttgg aaggtaactt gacaggtgtg agggcctatc 300
 tgtaccggga gatcgatctc ccccctaacc tctcgggcggg tgccgtcgaa ggcacgaacc 360
 accattgaac tcggcttttag gtgggaagca ttgaatggta atttctccaa agtgctctta 420
 agcatcacgt ttaaactgga accattatcg a 451

<210> 3097

<211> 378
 <212> DNA
 <213> Glycine max
 <400> 3097

tgagtcacag ccgaaatgta aaagaaatct acattattta aacactgaat gtggacccca 60
 tccacttgat ggggctaaaa ccacattcga actgagaatc acaagacaag acaaaaagca 120
 actaaaatat ccagctaattg caaccaaaca aacctaaccg aaagctacag tttcaaaggt 180
 atccaaaagc aaatttaaac cagaaagcag cagaagaaac tatatgaaaa agagaacacc 240
 aaatccatca tgcacaatat tgcattctta gctttttctat agatcatctc catgagatcc 300
 atttccttct tcatctgaac ctccggcgcc atctccatcg caacatcata accccatgtg 360
 ccattctcca cagcagca 378

<210> 3098
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3098

agcttggagt tgttatcttc gtgagtctag gtttcaactc tctcatccac ccaaaacaca 60
 tgtcanttga accattcaag agtatcaaca taaggcgatt ccaaaagttt cctgagaccc 120
 taacacacaa caacacattc acattaaccc taatccagtt caattcaatt gaatcaatca 180
 ctattaggtt caaacaaaaa aaaaggaaca tttaaaaccc tcaccggaga tatcggcaaa 240
 caataaaagc ccctcttttcg aaagtgaatn tggttgagag atcgaagact tatgcggtta 300
 gggacacgac aagaatcctt ttttcgaaga cctcgacaaa aaacattatt gatgctttca 360
 cttagggggc aggtcttttg ggattgacga tgctaacact nttgaatcta ct 412

<210> 3099
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3099

acctatgcaa gactcaagct ttagcccttt accatcctcc atatgaactt tccaatttat 60

cgagtagtta catttatata ttcatttttt ttcacaaaag tgacagtaag gtttgatcat 120
 aaaactttgt ataaactatt taatttcct atcactagac tgatttagtg gacatatatt 180
 tactctttct ttcacttta ttttactgca cttttttatt ntatttttta tcataccact 240
 tattagttat tacatctata actttcttta taacaatcaa atccgcccc aaaatgtgtt 300
 tatgtttata tttttcgttt actcttggtt gtaggttttt attctttccg atgtaatgct 360
 ctttttttta aagatggaat ggaaaa 386

<210> 3100
 <211> 231
 <212> DNA
 <213> Glycine max

<400> 3100

tgcaacaatg cataaccagc taatgggcat tagcaatttg tgtataacaa acgagggctg 60
 aagcctcact ctatacttaa ccactcaaga cagcttattt accaataaca gtgcattaac 120
 tcgcatataa gaaaaagcaa cgctatctct cattagagag aaacaagttg acctgtagct 180
 tagccaccaa aacagaacca tcacgatatc tgaaagcgaa accgccataa c 231

<210> 3101
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3101

agcttcgtat ccaagacatt ctctnggggg tgtatcttct tcttccatgg cttattccct 60
 aggggatggt gcctctctc acctcttttc ctttatcttc cgctgcaact ccaaggctga 120
 naatcaccat tgaaggacct cattgaagct taaagatcca gcctctatag aagcttctca 180
 agcaaacttc catcattcct taactccttt gttaatgaac tacttttcat tatcggagat 240
 canagtgtta ggaatttcca aatggcaaac aatgttnttc caaatgaatt tttgaacatt 300
 ngttgctgaa atgggtgctat aggtcaggc tcgatctatt ttgtgaaatg atcaatgcca 360
 actaggagaa actntacttg tccttttgca ngggaaaagg tccaagtatg tctactaccc 420
 aagaggcgag aggccatga 439

<210> 3102
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 3102

tggagaaaat gccaaactaaa aagtgaaatg aaggaagttt cttaaagata agagataaaa 60
 gaaaaagagg aaacgattga ggaagagaaa gagaaagatg aagaaagaaa agatttacga 120
 atagaaagag aaagatggag aaagaagagt gaacaataaa taggggctgt ggaaatatca 180
 taaatgcccc cgtttatact acgtgtcaat gctgaagaca ggggcaaagt cgactacttt 240
 tagagtgaag aagacaataa aaccaataaa tgtgtaatat gtcaacaaag tatccagtgc 300
 aaaaaaggat tattgctaaa ctattctttt catatagata tattagatag ata 353

<210> 3103
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3103

tgcccccttg accactgaat gactgcattg cacnccccnn ccgaanacnc acgcttcagc 60
 gagcgctnaa aangagaggg gttttgtaaa tgttgatttt ttttcagaca tccgaggaaa 120
 agatattgtc gtttgaattt tgcacgacca ttaacattca atttcgagcc tctcgattat 180
 tacgcgacta atagacatcg agtaaaagtt attggcgctt gaatttgcaa cgaccatcaa 240
 cattcaattt cgagcgtgtg gatatatatcg cgactcaatt agacatcaga ggtaaaaggg 300
 tattgtccgt tgaatttgca accaccaata acattccatt tcgagcgttt cgatatattt 360
 cgcgactcaa tcagacatac cgagttaaag ttattggcgt ttgcatttgc tcagagcttt 420
 agcatgtagt ttcg 434

<210> 3104
 <211> 194
 <212> DNA
 <213> Glycine max

<400> 3104

ggaatgagag gaaacggctt gcctcagttc ttgattatgc acatgaacta ttgaggacct 60

ttcctggatc cacagttaag atcaacacag tgccaaaatc acaaggtaca ccacactttt 120
 agaagcgata tatttgacct gccgcctgtc atatcgggat tgggtgctgga cgcctaccat 180
 tcatacgtct agat 194

<210> 3105
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 3105

tgtactccat cgcttgetac gtttgaatac gctttcctat tcctttccct ttagaggggc 60
 acaggtgtcc tcatcattgt gccaaacatt acagtcaatg ctggaaagat aatgtaagct 120
 gctgctttta attcattata tctactgttc ctttaataaa aactactcaa aaaatgttat 180
 tactctctat tgttgtagca acaaaaaacc atactgatta ctatgtgaca agacacccaaa 240
 cgcatacaaa gtactaggag tataaaaaat tgaaatctta ccttat 286

<210> 3106
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3106

cggatcctta agcacctgcy gctgcaagct tgaatattta agcaagagtn tggagtgcac 60
 attgaagtta ctaagatgtg gagagccatg aaagaagcaa agcaactagt ggaaggggaat 120
 gagaggaaac aatatgccaa agtatttgat tatgcacatg aattattgat gagcaatcct 180
 ggatcaacag ttaaaatcaa cacagtgcc agtccagaag gtccaccaca attttagagg 240
 ctatatattt gtcttgctgg ctgtaagaag gggtttggtg ctggatgtaa accattcata 300
 ggtctagatg gatgtttact aaagagtgca tttggaggaa acttgctttc ttgctgtggg 360
 cttgatgaca ataaccacat ctttgttatt gcttatgctg ntngggacat tgagaacaaa 420
 gacaattgga aatggtttta actttgntgc atgaagatct tggggattac ata 473

<210> 3107
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3107

tccaagatta ttttgatgac gccaaagatt gttnnaggat tcattcacga ctagagtaat 60
 tcaatccgna anattcaatg aaaattcaag aaaaactcaa gatatgcaag aacttcaaga 120
 aaaacatcaa gataagtata aaaagaattt ttcaaagaaa aaattgaata tcacaaattt 180
 tccaaaagaa nnnngcggggg aaaaatcttt taccaaaatt tttactctct ggtaattcca 240
 ttacccaaan gccctaattt attaccanaa ncccaaaaca gttttatacg ggatttacia 300
 agtagtaatc gatttccatg ggcattgtaat cgattacaaa tatttttgaa cattgaattt 360
 caaatttcaa gagtcacaac ttgtgataaa aca 393

<210> 3108
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 3108

agcttccatt ggttgaattt gagcacctcg atatatatgc gcctgattct aatctccgag 60
 tgaaaagtta cgaccatttg aattcctcca gagcttccat tgttgaattt cgagcgtctc 120
 gatataattat gcacaagaat cggacctctg agtgaaaagt tatgaccatt tcaatttctc 180
 gagagcttcc gttgctcaat ttctagcacc tcgatataatt atgcgcctga atcgacctc 240
 caagttaaaa gctatgacca ttgagattc tcgagagctt ccgttggttca atctggagcg 300
 tctcgat 307

<210> 3109
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 3109

agcttctata taagctgaac cattatatca ataaacacaa gttgagtttt attcagaaaa 60
 tttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
 gaacaccttg cctgtatcaa aggactttca caacctttgt gtgttgccct cactggaaag 180
 agtgattctt tcttctctt catgatcacc cttgttcttt caaaccacaa ttccagaaaa 240

tccacctctg cccagaatta tctcgtggcc ataactccca ttttacgcac tcaaattaag 300
tgattcttga gcctaaattg aatttcaaaa cgagaccttt caccttcgtt tggaatc 357

<210> 3110
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3110

gcttgctaac ccâtggaagc tcctaataatc tcccacactn tntaggttgt gccattcttg 60
gatggccttg attntcttag ggtccacttg gaccccatth ctaccaacta caaacctaa 120
gaaaactata ttatctatac aaaaggtaca cttctctata ttttcataga ggggtgtntt 180
cctaaggact gaaagaactt gtctgagatg tcctaagtga tcatctagcc tcctactata 240
cactaaaata tcatcaaat aaaaaactac aaatctacct atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttggtgc attagtgagc ccaaaaggca tcactagcca 360
ttcatacaaa ccanacttgg tcttgaaagc agntttccac tcatcaccct ttttcatcct 420
gatttggtga taaccacttt ta 442

<210> 3111
<211> 363
<212> DNA
<213> Glycine max
<400> 3111

tggtgaatta ccgaaaggaa ataaggtagt tgtagcataa tggatatttc ataacaaatt 60
ggacgaaaat ggtgaggttg tgagaaacaa ggcaatatta gtctctaaag gtgactcaca 120
ataggaaggt ataaactaca tagaaacttt tgcacatatt gcacgttttag aagcaatag 180
catcttactt tcatttgcaa cctatagtaa tatgaagttg tattaaatgg atctaaaaaa 240
cacattttta aatggattaa tccaagaaga agtttctatt gaacaatctc ctggatttca 300
aagtgaacc cttcttcaac atgtttttta actcaacaaa gcatcatatg gacttaaaca 360
agc 363

<210> 3112
<211> 463

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3112

 gcttatgctg canacactta taatagacct ccttaacagc aaaaccttct tcaatagaat 60
 aattatgacc tttcaagcaa tagatacaat ccagggttga ggaatcatcc aaatctgaga 120
 tagacaagtc ctccacaaca acatcagcct gtccctcctt tccaaaatgc tactgggtcca 180
 agcaagccat atgttcctcc tccaatgcaa caacaacagt agcagtcaca acaaagacaa 240
 caagcaactg aggctcctcc tcaaccttcc ttagaggatt tagtgaggca aatgaccatc 300
 cagaatatgc aatttcagca agagacaaga gcctccattc agagtctgac aaattagatg 360
 gggcagatgg ctactcagtt gaaccaagct caatcccaaa attctgacaa attgccttca 420
 caaactatgc agaatccgaa aaatatgagt gccatcacct tga 463

<210> 3113
 <211> 366
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3113

 ntgtgggagt cagagttgta ctggtttagat atgtgttgaa tgtttactgt ttaggggttg 60
 atttttactg ctttttagcac aagaataata aaatcattca aaaatattat tttctgagtt 120
 ctggtttgggt catttgaaaag aatgccataa tcgggtcatcc tatgccctta ttgagaattt 180
 gagaaattgg atggagaaaag ggtcaaggct caaaatatgg aagcagtctg atataactcg 240
 aaacattcat taacttagct ctctgttggt tttccagttt tcatcatgtc atcatttatg 300
 tgtgatctgt ccattcctag aaaatcggtc acacacacac acaacactnt tagaaaatca 360
 tatatt 366

<210> 3114
 <211> 430
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3114

agctntgagc taattcaaac gacaataatg ttttgctcgg atgtctgatt gagtcccgt 60
 atacatcgag acgctcgaaa ttgaatggtg aagctctcag caaattcaaa cgataataac 120
 tttttactcg gatgtttgat tgagtcccgat aatacatcga gacgctcgaa attgaatggt 180
 gaagctctca gcaaattcaa acgacaataa cttttttact cagatgtctg atagagtccc 240
 gtaatatatc gagatgatcg aaattgaatt ctgaagctct gagctaatac aaacgacaat 300
 aactttttgc tcggatgtct gattgagtcc cgttatctat tgagacgctc gaaattgaat 360
 tctgaacctc agagctaatt caaacgacga ataactttta ctcggatgtg tgattgagtc 420
 ccgtaataca 480

<210> 3115
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 3115

tcagaattca atttcgagcg tctcaatata ttacgggact caatcatata ttcgtgcaaa 60
 aagttattgt cgtttgaatt agctcagagc ttcagaattc aatttcgatc atctcgatat 120
 attacgagac tcaatcagac atctgagtaa aaaagttatt gtcgtttgaa ttagctcaga 180
 gcttcaaaat tcaatttcga tcgtcttgat atattacagg actcaatcag acatctgagt 240
 aaaaaagtta tggctggttg aatatgctga gagcttcaac attcaatttc gagcgtctcg 300
 atgtattacg ggaatcaatc agacatccga gtaaaaagtt attgccgttg gaattagctc 360

<210> 3116
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3116

aatcgattac acagntatat tntgaagggt catgactttt gaatttgaat ttcaagagtt 60
 ccgttgctgg taatcgatta caaatatttg atcatcgatt acaagttcaa aattcacatt 120
 cagaaccctt ttttaacatta cccagaggct tggatgtctc ggaaacactt tgttttgagg 180
 caaggcttga tcttttagtga atcttgaaac aaggctttnt ttgttgaagc aatcttgtat 240
 taatcttgaa gcattgctta tcctttgaag caaccttatt tgattcttct ttggcatcat 300

caaaatcatg tatgcataca ttcacattct cccctttttt gatggtgact ctcattatca 360
agcaaattct ttctgacatc atc 383

<210> 3117
<211> 388
<212> DNA
<213> Glycine max

<400> 3117

tgacacttcg agacttatac aatactcaag cttcccgcca atgggtatttg aggtttaatg 60
ataccattat ttcctttaga ttttaaggaaa atactgttta tcggtgtatg tatctgaagg 120
tcagtgggag taagggttatt ttctaatttt gtatattgat gatattcttc ttacaactaa 180
cgatcttggg cttcttcgtg agactaagaa atttctctct agaaactttg aagtgaaaga 240
tatgggtgag gtaagctatg tgatagggat aaaaatattc cataatagat cacaaggatt 300
gttaggttta tctcagacag tatatatatc gataaagtgc tagagagatt caagatggaa 360
aggtgtttaa cattgcctac tctaattt 388

<210> 3118
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3118

agctntaagg tgtgcaactc caccattttc atattagaac actggtaatg ggtctactat 60
cattgttatc atttatttct ccatcattga ggtgccactt gagctgccag gtctctccac 120
ctttgggtgt attctttgaa acatttgtgc ccttttttgc acatgttctg tagttgcatc 180
ctatctggag ccatatcaga attgtactga cactgcctaa cgaaagcaac tattaggtcc 240
ttccaagaat ggactcggga aggttccaag ttagtgtacc aggtaacagc taccacagta 300
agactttctt gggagaaatg tatcagtagt tctcatctt ttgcgtatgc cccaccttc 360
cgacaatata tcttttagatg gttcttgggg aaagtagtcc cttgtactt gtcaaagtcc 420
ggcaccttga acttgggagg ggtaatgat 449

<210> 3119

<211> 364
 <212> DNA
 <213> Glycine max

<400> 3119

tttctttctc aatcaacctg tctattgtct aacaattcta attgcaagtt caactttttg 60
 ttctttttat gtctaacata catatttgct caaacttatg aaaagaaaca caaactccat 120
 cacaatcatg catttaatcc aaaatcaa atacaacacca atgaaacata ttgctagcg 180
 cttattacag gatcaacaaa ttcaaaaact tgtaggctaa tgaaacttga aagaaagttt 240
 ggagaatcaa agctccacaa agaattgagag tctttatttt gcagcctaga catgataggc 300
 tatctttcaa attctcta ctgagaaccg aaccaaacac aaatgttttt tttaatttct 360
 attt 364

<210> 3120
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3120

agctntgagc caattcatat gacaataact ntttactcgg atgcctgatt gaggcccgtg 60
 atatatcgag acgctcgaaa ttgaatgtgg aagctctgag ccaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgacgccccg aatatatcga cacgctcgaa attgaatgtt 180
 gaagctctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcctg 240
 tcatatatcg agacgctcga aatngaattg tgaagctctg agccaattca aacgacaata 300
 actttttact cgatgtctg attgagtcct gtaatatatc gagacgctca aaattgaatg 360
 ttgaagctct gagccaantc aaacgacaat aactntttac tcggatgtct gattgagtcc 420
 cgtcatatat cgaga 435

<210> 3121
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 3121

tcaacattca attttttagcg tctcgatgta tgacgggact caatcagaca tccgagtaaa 60

aagttattgt cgtttgaatt agctcagagc ttcaacattc aattttgaga gtctcgttat 120
 attacgggac acaatcagac atccgagtaa aaagttattg tcttttggat tggctcagag 180
 atttaacatt caatttcgag cgtctcgata tatgacggga ctcaatcaga catccgagta 240
 aaaagttatt gtcgtttgaa tttgctcaga gcttcaacat tcaatttcga gcgtctcgat 300
 atatgacggg actcaatcag acatcccagag taaaagttat tgctgtttga attagctc 358

<210> 3122
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3122

agcttgcaac cattagaaga aaaagaacat gttattagaa gtatgactga naatgttagt 60
 cagtttgtca gattgattgc gaagaaatgc attgatcgta tcttgggtgag agtgtgatcc 120
 ttaaattntg agagaaacga ctatcattta gtactaattn ttgcatgaat ctctgaagta 180
 tggactgaat gcatgaattg aggatgatga aggccatgct ttgattgtga tagctactta 240
 gccaaaaagc tgaccttgtg cttgaatgat ttatcccttg caccagttt gagttgaatg 300
 aattattgat tgattgaacc ttgagcctat acagtgttat ctctgctac cttgttntag 360
 gttgtaggag agcatcatcc acagaaagct tgattcatag taaatttgtc ccannattgg 420
 gggagtaa 428

<210> 3123
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 3123

tcaaaccaca gcaacacaaa atctaggtgt ccaaaacccc tcaattcaat gggttttcta 60
 ggtttgaaa gtgaaattta gaatgaggta aatttgaggc aaactctcac ctacaccag 120
 tccataacat ccatttagac ttgttcaaac tggatttaca cctaaaatct caccgaatca 180
 aaatttgact cttcaacacc caaatttgcc ctagcaatgg ctctttgttc actttgggtct 240
 tttgttttct tctctagctc agcctaacct ttctcacatg ttctaaatga catttcaagc 300

tagtattaac tcaactctaac ctccatttac cacagaattc agacttagcc t

351

<210> 3124
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3124

agcmttgacc aaacctcatc agtagttggt tccttagaga cttgccttaa caccttgtct 60
ctgacactaa ggataattgc actgtgtgcc ttctgcagta gtgctttctt atccccatca 120
tccatcatct ttctgagttt ggcttttcca tcaagtgtt ccaccaggcc ctgctgaaca 180
agaagggtc tcactttcaa tgcacataac ccaaatcat tttcccttt gaatttttca 240
acctcactact tggccaagcc cattgttga atcgagccca aatcatcca cgctcacaaa 300
aatatgagtt tcttgttga acaagaatga gcaaaaatgt agaanaagat gaacaaaaga 360
acttcaaaga atcgtgattn gactagagta aaaaatcaac tctcaatctc ctcacaataa 420
ccactnttat ttaaactctg aataat 446

<210> 3125
<211> 388
<212> DNA
<213> Glycine max

<400> 3125

tgacgtacgc taagcctcgc atctcaggta agcgcattgt gcagaaagat ttttgggtgt 60
gcagaaagcg ctaagcacccg ctgctgcgct aagccccaaa tacttactgg aagttacaac 120
ttcaagttgg gcttagtgtg aggctaggct aagtgccagt gttttaaact taaacgtcac 180
gttggcacgc taagcgcgcc atatgaaatt tagtttttaa aaagtagagg cagagacact 240
tgggttgcta ccttggcacc caaacctcta cactctcaca tccttgagca ttctcttttt 300
tctgttgtgt gctactgacc ctctgcatca ttgcttctt cattctctgc gttacacaat 360
ccaagtaagt ctattgattt cttttact 388

<210> 3126
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 3126

```

agcttctagt cgtccataga cctcctctgt gttacggctt agcaaacggt gcattctgtgc   60
attcatcgca tccactaaca gacgttgagc gccgtccaac tgatggtact cgtcaccacc   120
accacctgct ccagccataa ttcaacagga aaaaaaatg tgcaataaaa attattaagg   180
tttcaggacc tcacaacact ctactcacgt ctcttagatg gtagtacact cgtgtttaat   240
gctctcaata ggcttttgtg taatgtattc cctcttgcc tttaccactc gtgtttcctc   300
ttaagttcct ggatggacca nattagacac acaaggtaat ataaaataaa aggaaagaca   360
atataatgat cacaaacaga tttgatttgg gataacaact tggactngat tnggataata   420
atatatt                                           427
  
```

<210> 3127
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 3127

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tcattgccta acaagccaac ttacaacagc aagccccttt agactcagca taaggatgca   60
caggtcaaag ttgagtatgt gaaaagattg tatgaccaag tgaaagtgca aattgcaaag   120
aagaatgaaa gttatactaa gcaagccaac aagaaaagga aggaagtggg acttgaaccc   180
cgtgatgatc ctggacattt gaggacaaat gtttttcaag aaagagggaa tgatgagaat   240
catgaaacag gccaaataca gtctaaaggc ccaagtggag aaagacgaat gcccaagtgg   300
agaaggacaa                                           310
  
```

<210> 3128
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 3128

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agcttgtatt tctctcccat ggttgatata atatctatga tggatcaaaa gctcttcctt   60
tgaagagccc tgctgcgcta cttatattct tcctctcgat tatcatatcc ttcattctta   120
catcatgagt gaacaacaac aagatcaatc acttaatgta cacagtcctt attaccttta   180
  
```

300 bp

tctgggagaa aatccagcga tagctttggt ttcttcggtt cttgattcat ccaattataa 240
 ttcatggagt cgatctatgc ttattgcatt aagtgcgaaag aacaaatctg agtttgctga 300
 tggttttatt caaagacctg catcagatca tgcacttcat gcagcttgga agaggtgaat 360
 aatatgggtga tttcgtgggt ggttcattca atctctcttt caattaggca aacatactat 420
 ggatggataa tgcac 435

<210> 3129
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 3129

ttatatttta tattagtcct ttctcacgtg atcgttttct tcaaagcctt cagatccatg 60
 aactagcac tgcgttcaca cttcacgcag gcacaataaa aagctaaagt atccaccaaaa 120
 actgtctttc ttcttctaag tgcaattaaa tatggagata atcaaatcaa atttgactac 180
 aatttttggt tcctaagctg tttgagaagc caaaataatt ggttcgttgc gtagttatgt 240
 cacatcaagc tgaaccagct tatacatctt ctaagacgaa tacaataaat aaattaacca 300
 aaggtggacc taagaataat taagataagc tctttgcaat agaccgtgaa cccc 354

<210> 3130
 <211> 526
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3130

ntgaacnacc cgtnncaett tgancccttt tattatgncc ttcgtannna ccgcggcann 60
 ctnaaagaat agctggagge atgccagctt ctaggctcca tatatctctc tcngngttct 120
 gtcancanac gatgcatctg tgcattgcat ctgatacact tacagacgtt gagcgccggc 180
 canatgatgg tactcgtcac caccaccacc tgcttcagcc ataattcaac agggaaaaaaa 240
 aatgtgcaat aaaaaatatt aagggttcag gacctcaca cactctactt acgtctctta 300
 aatgggagta cactcgtggt taaagctctc aataggcttt tgtgtaaagt attccctctt 360
 gcctcttacc acctcgtggt cctcttaagg tcttgatgg acccaattag acacaccagg 420
 gtttatataa tacaagcgaa gacaatatta tgatcccca ccgatttggt ttgggatacc 480

acctggactt gatttcgaat ataanatatt acatatggag ttggcn

526

<210> 3131

<211> 281

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3131

aagcttgctt gcgngcttc aatggaggaa aagaaagagg gatataaaga tatagggggg 60

gagcacgaaa ttgaaggaat aaaagaggga gagaagtga actntgaagt gtgtctcata 120

aaactttcat tcatcaaaga tacaaccaag tgttacacat gcttctattt ataaactagg 180

tagctgtctt gagacgcttt cttgagataa ctctcttgag acgcttggtt gacaaaaagt 240

acgtgagaag ctagagctta actacgcaca cccctctcat a 281

<210> 3132

<211> 461

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3132

agcttatgct acanacatct acaatagacc tcctcatcct cagcggctat ataagccaca 60

acagaacaat tatgacctct ncagcaacag gtacaaatcc ggggtggagga atcatccaac 120

cttagatggt cgaatccttc acaacagtag caacaacaat aacaggctta ttttagaatg 180

ttgctggccc aagcagacca tacgttcctc caccaatcca gcagcaacaa cagcaacagc 240

cccagaaaca acaaatagtt aaggctcctc cgcaaccttc ctttgaagaa ctngggaggc 300

aaatgactat gcaaaacatg tagtttcaac aagagaccag agcctccatt cagagcttaa 360

ctaatacagat ggaacaattg gccacacagt taaatcaaca acagtcccag aattctgaca 420

gaataccttc tcaatctgtc cagaatccca caaatgtgag t 461

<210> 3133

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3133

acactcgaaa ctaagcttaa tttttggaaa attttcatgc agaagatttt atttatccct 60

ttatgcttta ttgagacatt cttagtcaat tccaagtgtg tacataatag tttgtgaatt 120

ataaagaaga agtgaagttg atttttataa tgagataatg aaattcactt tcatataaga 180

at ttggtgtg gtgaaagtaa gaattcaagg tgttgaaata tcttactatg ctatttgaac 240

tatagttggg tccataagtg taatgaacat ataaatgggtg aatttatgat atgggtatcct 300

ctttttgggtg ttgaatgggt gaatatgatt atgatgggtg atgttgattg ttgaatgaac 360

tancatatca tgcatatatg gataaatgac a 391

<210> 3134

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3134

gcaagcttga gcagantcan acgacaataa ctnttaatcg gacggcattt gttcccctaa 60

atatcaaact gctccaaatt gaaaatggaa gctcgtagca aatttaaacy agaataactt 120

tttactcaaa tgtgcgattg agtcacgtaa tatatcgaga cgctctaaat tgaaaacgga 180

agctcatagc aaatgtaaac cgtaataacc tttaactcgg atgtccgatt gagtcctgtg 240

atatattgag acgctcaaat atgaaaacag aagctctgcg caaattctaa caacaataac 300

<210> 3135

<211> 346

<212> DNA

<213> Glycine max

<400> 3135

tgtaggatta tggggtaccc atcacatgtg gtactatgtg gcggtcgttc gatggtgcac 60

aacaagtttt ccacatccac aatgcgcgca taaaccaccc atcccctggt gccacactcc 120

aactgagctc acgtactccc acgtagccca tatectcgtt tctctcaaca ccgggtcccc 180

atcaatcctc ccaagcttcc ccaacatcaa agtaatacaa cattcacaca gcacaagcta 240

tcacagccaa gcaaaacag gcaaaggcag aaaactctgc tcaaaacacc aaccaaaatc 300

acagcttttc tcaacttaaag accccagtaa caattccttc gatcca 346

<210> 3136
 <211> 215
 <212> DNA
 <213> Glycine max

 <400> 3136

 agcttagatc aggcattccga gtcaaactgt atgttcgtcc gaatatgcat gggcattcca 60
 tttcaacttt taatcgtgat gatataattac gggcctcagt cggacatgcy agtcaaaact 120
 ttatcccgcc agaattcacc cgagtcttcc atgttaaatt ttgagcgtgg cgataggcta 180
 cttegtttat tcgaagatgc ggaggataag ttatg 215

<210> 3137
 <211> 399
 <212> DNA
 <213> Glycine max

 <400> 3137

 ctaagcttaa gaaaaagatg gcctcagcaa attccttatt tccagtaagg aattctatca 60
 atagacctcc aatctttaat ggagaggggt accactactg gaaaaccga atgcaaattt 120
 ttatcgaggc aatagatcta aatatctggg aagccattga aataaggcct tatataccca 180
 ccacagtaga aagagtttca atagatggta gttcatcaag tgaaagcata accatagaaa 240
 aacctagaga tagatgggtc gaagaggata gaaaacgagt acaatacaac ctaaaagcca 300
 aaaacataat aacatctgcc ctaggaatgg atgaatattt cagagtttca aattgcaaga 360
 gtgctaagga aatgtgggac actcttcgat taacacatg 399

<210> 3138
 <211> 391
 <212> DNA
 <213> Glycine max

 <400> 3138

 aattcaatca atagacctcc aatctttaat ggagaggggt atcactattg gtaatccga 60
 atgcagatcc ttattgaagc catagattta aatatatggg aagccattga agttgggtccc 120
 tttattcctt caaaggtagt gggaaatgca actatagaaa aaccaagaga ggaatggaat 180
 gatgatgaaa gaagaaagggt tcaatacaat ttacaggcca aaaatataat cacttctgca 240

ttaggcatgt gtcgcaacct acccttttgc gggcgagcga ggcgaggctc atcggtgtgt 300
tcttccaaag gaggaacatg cgcggagtcg ccacaaacgt ttatttgtgg aaaacgtcgg 360
aaaaatcgaa ggaaaccggt catgaagaat a 391

<210> 3139
<211> 380
<212> DNA
<213> Glycine max

<400> 3139

aagacttgac gcttctataa tgggacaact agagaatctt gttacgagac atgcaagggg 60
ggtagagctg gacaaaaata aagtgtgggt aaaaccttat aaatcacact acattgaaca 120
tttgtatatg atattaacaa tgacatctat ttgtaacct agaatatcta ataaaagaca 180
catttaatat catgtgcaag caacttatct taaccaggag caaggtcacg aaccaaacca 240
atacacccaa atgcacatat aggagcatgg tataatggac ctttgaggaa ataagttgat 300
agggaattga tcaaataata agcaggtaaa acaacttcac cacaaaatta taaaatgata 360
ttttcatgta acaataaatg 380

<210> 3140
<211> 167
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3140

cagattatcc gctgatgttt acataggatg catttgtaaa cagatacaat tctcttctct 60
ctctctctct ctctctatta ttttctcata taacatacac atgtgatgtg aggttgaatt 120
tgtgggtcaag gagaggtgac ctangctgta cgggggcaaat ggcattg 167

<210> 3141
<211> 306
<212> DNA
<213> Glycine max

<400> 3141

tcatattcat caaagcagga taatcaaatt tgccctcttct tatatccaga tcgatacctt 60

cccaggcgaa aaccaaattt gcaaagcttg aaggcatgta acccaccatc ttttcatagt 120
 agaacaccgg taatgtgtct actatcattg taatcatctc cctttcaatc attggggcgc 180
 tacttgagct gccagatccc tacacctttg ggcgtattct ttgaaagatt catgctcctt 240
 cttgcacatg ttctgtagct gcattctatt tggaaccata tcagaattgt actgatactg 300
 cctaatt 306

<210> 3142
 <211> 234
 <212> DNA
 <213> Glycine max

<400> 3142

tctcatgatg aaaaatcacc attgaaggac ctcatggaag atcaaagatc cagcctccat 60
 agaagctcca caagcaagct tccatcaagt tatgaccatt tgaatttctc gagatcttcc 120
 gtgggttcaat ttcgggcgctc tccatatgtc atgtgcctga atcggacctc cgtaagaaaa 180
 tatatgacca tttgaacttc tctagagctt tcgttggtta atttcgagct tctc 234

<210> 3143
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 3143

tcattgccta acaagccaac ttacaacagt tagcccctat agactcagca taaggatgca 60
 cagaccaaag ttgcgtatgt aaaaaaattg tatgaccaag tgaagggtgca aattgcaaag 120
 aagaatgaaa gctatgccaa gcaagcccaa aagaaaagga aggaagtggg acttgaaccc 180
 ggtgatgata ttggacattt gaggacaaat gttttccaag aaggagggaa tgatgagaat 240
 catgaaacag gccaaatata gtctaaaggc ccaagtggag aaggacgaag gcccaagtgg 300
 agaaggacaa agcccccgag tggagaagga tgaaggccca agtggagaag gatg 354

<210> 3144
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 3144

agcttgccctc atagatgtcc aggaaggaca attctgcaga atgttctagt tccgctccgg 60
 agtatgatag tcaccgcttt atgagcgcgg tacaccagca gcgcttcgaa gccatcaagg 120
 ggtggtcggt tctccgggag cgacgcgttc agctcatgga cgacgagtat actgatttcc 180
 aggaggaaat agggcgccgg cgggtgggcac cactggttac tcccatggcc aagtttgatc 240
 cacaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300

<210> 3145
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 3145

ttttaaagta gaaacatggg accaactcat tttattttat aaagtcgtat ctagtgaagg 60
 tctgagagac catacaagtt ttctagcgat ttctaattat gtgggccatt aagtctatca 120
 tatgctgaca atagccgaga agcccatgaa tttcttcaag ggcggagtaa gtgtccgcca 180
 ttgccttggc cttggctaac aatcggggaa gttcttgact cccgttcaag gtaagagcaa 240
 accgatccat ccacatggtt gcctcttggt gtaaagagtc gatcaccttt cctctagcct 300
 ctttttccgc gtataacttg gcataactcg ccacgaccct atgctc 346

<210> 3146
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 3146

agctggagat gaggaagtgt agaaggggtga atctttctgc ttttattgtt gaccacagag 60
 tggtaacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccga cccaaccgg gcatagtcgg tcagtgagaa 180
 cctgtgatgt acctaagcag gcgagctcct ggtagtctac agataatatg aaaac 235

<210> 3147
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 3147

tttctcagtc gtctgtaagg atgatttgtt gttagaaagc gacgatccct actgtagact 60
 gtttttctgc catgtttaag ttgtatgtaa cttgtatttt cttcacagat ggggcatgca 120
 tgatgaccct taacactgta accgctgaga ttcccatatg ctggaaagtc attaatggta 180
 caaaaaagca ttgcacgcat ttcaaaggtc tccttgtgaa acacatcaaa cactacaacc 240
 ccctcgtccc acaactttct cagatcttca accaacagac ttagataaac atcaatgtca 300
 tttcctggct gtcttgggct cgatatcatc atagacaaca tcatgtattt tcgcttcatg 360
 cataaccaag gaggcaaatt gtaaattac 389

<210> 3148
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3148

atgaccctt ganttgannc tttgagcctt gangcgcgat cttagcgac tgagcatgca 60
 ctttctaagc gccatcttgt gacttgtttt ggcgatttcg tctgagctat catgagtaaa 120
 gaatcgttac ccactcatta atacaactag cttattgcta gcaacaacga gccatattca 180
 tagctctgat gctctcaatg gtaattcctt attatggcaa tgcttctctc gatgatgaga 240
 tggcttttga tctgacgatg aatccttctc cccccaaaa aggatcctgc agtgcacgat 300
 tgagcaaaga tgaccaaaaa aaagccatct gagtccatct ttttaciaag gactacactc 360
 tttccaacgg aaacgaccct ctaaagagac tgcattcctt actaacaatg tgttgactga 420
 tacttttagac caaatctatt ggctaaggca caaactgcat cttatcttat tgcgtttaac 480
 caatgcatcg 490

<210> 3149
 <211> 350
 <212> DNA
 <213> Glycine max
 <400> 3149

tgtaggatta tggggtaccc atcacatgtg gtactatgtg gcggtcgggc gatggtgcac 60
 aacaagtttt ccacatccac aaagcgtgca taaaccacc atccccgtt gccacactcc 120
 aactgagctc acgtcctccc acgtagccca tctctcatt tctctcaaca ccgggtcccc 180

atcaatcctc ccaagcttcc acaacatcca agcaaaacaa cattcaaaca gcacaagcta 240
 tcacagccaa gcaaaacagg gcaaaggcag aaaactctgc tcaacacacc aaccaaaatc 300
 acagcttttc tcaacttaaag accccaataa caattccttc gatccaattc 350

<210> 3150
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3150

acctctgaga cacctgcggc atgcagcttt ataaaaaaaa ccttccatan atagtgcgcg 60
 aatcctgaat agaantacta actatgcata tgtcaacata caatctcttc attaacagac 120
 tcagacttct cgccacagnc atcagttttt ccttttgagt ttgacttgtc gtctccagct 180
 tgtctgtcat agaacagttg gcagaattcc aaaatgaaag acaataatgt catatatctg 240
 tattcctaac acattctcta gcgagtgcga attctcgtat tacgatcatg gtagtcaaac 300
 tctagattct actttgactc agacaggagc catagaatcc taataatgtg aaatcatcac 360
 tcacagcgta agactctac 379

<210> 3151
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 3151

gttaatggta gttatagtat ctattatgaa actttcttgt tctaggtcta tagccttttt 60
 gtatgagtaa ctggacatgt aggtacaata attggtaatg aagatatcga tagtattagg 120
 tggcctgggt ctgaatgtag atgactcaag gtaatcagat tcttttcaag tcttttagatt 180
 tatgcactta cacatgaaga cttgtcaatt agaagctcaa acctaagatt ggtttgatct 240
 atatttgctt ctgattctat tttgcgctgt actacttttg agaatttctt aatagcttgg 300
 ttttaacttt atctaggcac ctactttgct gtagaattta gtgtttgctt tggg 354

<210> 3152
 <211> 482
 <212> DNA

<213> Glycine max
 <400> 3152

ttaagcacct gagctgcagc tatgctgaaa cattataata gacctctcta gcagcaaaac 60
 catctacaat agaataatca tgacctttca agcaatagat acaatccagg ttggaggaat 120
 catccaaatc taggatggac aagtcctcca caacaacaac agtctatccc tccttttcag 180
 aatgctgctg gtccaagcaa gccatatgtt cctcctccaa tgcagcaata gcagcaacaa 240
 caacaaagac aacaagcaac tgaggccccct cctcaacctt ccttaaaaga gttagtgagg 300
 caaatgacca tccagaatat gcaatttcag caagagacaa gagcctccat tcaaagtctg 360
 acaaatcaga tagggcagat ggctacttag atgaatcaag ctcaatccca aaattctgac 420
 aaattgcctt cacaaactgt gcagaatcca aaaaatgtga gtgccatcac cttgaggtct 480
 gg 482

<210> 3153
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 3153

tgtaactctc ggcagtttct tagtcactta aaaagatatt actttagaaa tatactttca 60
 gaaacaagtc acttgaagaa ttgtgacttt tggaaatgta tttttcgaaa tcagtcactg 120
 ggaatcgatt accattgacg tgtaattgat tacacatcaa cgtatgtgac tcttcattct 180
 gaattttgaa aatcttaaag ttttaaaaca ctagtaatcg attacagctt tgtaaactcag 240
 tttgaaaaac aatgcgcgct actagtaate gattactacc ttctggtaat cgattaccag 300
 agagtaaaac tctttggttg aagattttgt gaaaacgtca tgtg 344

<210> 3154
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3154

agcttcacca gatgatgccg atcngaacat tctcttaate gacatcattt atttgatttc 60
 agggatngac tagaatanac aatggccggt gtcggtcggt attatggccc cgactgatat 120

ctttcagccg acattgcgca atntctttta caaacgctgg ccgataatgt ttttttattt 180
acggtagagg aagttttttg tttggtggtg cctaaaaaat tacaacgtag gacggctagg 240
tttttccgtg cgagctcaac cgagggttcg ttccgaccga cactggcatg 290

<210> 3155
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3155

tctatataag ctgaaccatt ttatcaataa agacaagttt agttttattt ataaaattag 60
agnttatctc ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
accctggctg tatcaaaaga ctttcacaac ctttgtgtgt tgccctcgct ggaaagaagg 180
aatcttttct tcctttcctc ttcacccttg gtctttcaaa ccacaattcc cgaaaattca 240
cctctgcca aaattatctc gtggccataa ctcccatttt acgcactcaa attaagtgat 300
tcttgagcct aaattgaatt tcgaaacgag acctttcacc tcgctttgg 349

<210> 3156
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3156

gcttgtgcag ctgactatgc tgcattgttt taatattact ttgttaaata ttatatacaa 60
gnatgaaatg agattattgg tttgtatcac ggcactacta ttatgcatga gaatcaattt 120
cccaaacaat tacaagtgtg ttatggaacg aagaatgata agggaaatta gttttaaaag 180
gcggcaatta gaagaattag ctcgctaact gttagtgtgg gggttctcta ttataaatag 240
gcatgtcaat actgacgcac gagtatgctt tgtaagaact tggatataca actgggatta 300
tccagtgtga gaggtgagcg ctccctcttg tataactgcy tacatctgtt tgccttatt 360
gaacacaatt ctgacaatgc ttttagacat ctttctcttt gactcta 407

<210> 3157
<211> 374

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3157

ntaagttcaa gttttgcaaa cttctttccc tgctttcatt tttaaattata caagaaaaag 60
 agtcagtcac ttttacaaaa agtatgcatg agcaacaaaa acataattac cttgttcagt 120
 atgttctga aatgggtccat aacagaatcc tctgacaaga catgttcata ggacttaaata 180
 aactctatta gttttttcat ccctttttca gtaaagcata actgagagag acaataagat 240
 atatattccc attgtctaac atctgcagag aaataaaatc atgatcacta ttagcaataa 300
 actacaaact tctcttggtt ttgaattgat ttcaagccct tcagaattac aagaatataa 360
 ctcattgcttt aact 374

<210> 3158
 <211> 303
 <212> DNA
 <213> Glycine max
 <400> 3158

atctagtcaa ggtctgagag accatacaag tttcctagcg atttctaatt atgtgggcca 60
 ttaagtctat catatgttga caatagccga gaagcccatg aatctctttc ggggaggagt 120
 aggtgtccgc catcgctttt ggcttggtta acaagcgggtg aagttcttga ctcccggtta 180
 agggagagagc aaaccgatcc atccacatgg ttgcctcttg gtgtaaagag tcgatcacc 240
 ttcctctagc ctctttttcc gcgtataactt gggcactatc gtccgcgac ctatgctcgt 300
 gag 303

<210> 3159
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 3159

tttcgattca atctatgtac ccgtagtggc ccacattgtg tttcgtgtat ttttattctc 60
 gttttgttta ctttttatac cccctcttga cgtgcttgag ccattttact taagtcattt 120
 ctgcgttaac ttaaaaataa aataaatttc caccgaactt ttgaattgta ttatccatta 180

acttcggtta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240
 agaggtaaaa aataatataa taatcaaaaa gacatcttta gtaaaataaa gcgaaaaatc 300
 aatcgggcgt tttctctttg ggatttctca ttcttaatcg aattgattaa taactaaagt 360
 gaaactaaag gctaaaa 377

<210> 3160
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3160

gatggcatcc tactagcatc atacgattta gtgttgcaaa atagttatat cgcaatttat 60
 catgaattct ggggtgccta aggtgatata tgagtaatct tggatgcaa cactggaaag 120
 tagtaaaatg tattatgtgc taatttaata gaacaagaaa tcgcatgttt tcatatcgaa 180
 attctacaag tttagagatc attgngtatt ctaacttcat tntttacaga atatcttaat 240
 agcaatcact ctacataaga agccatcagg tgtttattgg gacaatattt tagcagtctc 300
 attaaggatt aaaccaagta aaagtttggt gacataaagt att 343

<210> 3161
 <211> 255
 <212> DNA
 <213> Glycine max
 <400> 3161

cttgatgtga gaaagtgtgg aagagtcagt ctctctactt ttgtttgttg accatagagc 60
 ggtacctgga gatatgtcgc gggggtcagg agaccttggg gatgtcagggt ggggtgctat 120
 tgcccaaaac caagcttgac caatcccgac ctaacccggg catagtcagt cagtgagaac 180
 ctgtgacgta cctaaacagg tgagctcttg gcagtcaacc aataaaagaa caaagaccac 240
 aaagcaagga ggttt 255

<210> 3162
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 3162

gtagtcctt tgttcttttg gaaaaggcga gaaagagaca aanagaatt

409

<210> 3165
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3165

ttcataagtg aaattagtg catccatctc tcttatagtc ttctcacgag gnggaggttg 60
agccatgttc tcagtatgaa aattaatagc cgaatgctca aaatcagaat attcagaatc 120
accagcaaca aaatgctcaa aatgctcagg atgctcaaaa tgctcaaaat gatcaagatg 180
cacactatgc ctaactaatc tatganaggt tctatctatt tcaggatcaa agggttgtaa 240
atcatctaga tttccctag taatgcacta tatgcaacaa ataatgtgtt tctcaacaag 300
cacctaacaa gggggtaaaa ctacaactat actcaacaa tat 343

<210> 3166
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3166

cagatgatat accttcaggt tggttcatat aaacctctc ctctaaatca ccattaagaa 60
aagctgtttt cacatcccat tgttgcaact caaggtcaaa atgagcaact aatgccaaaga 120
ttatacgaag agaatctttc ttagatacta gagaaaaagt ctctttgtaa tctattcctt 180
ccttttgagt aaatccctta gcaacaagtc ttgccttata tctctcaatg ttgcccaatg 240
aatccctttt ggtcttaaag acccatttac atccaatggc ctttgcccca ttaggcaact 300
ctacaaggtt ccaaactttg ttactctgca tagaattcat ctcatccttc atggcatcat 360
accatanatt ngactcttta caactcatgg cttgatcaaa agtttcagga tcattttcag 420
ctccan 426

<210> 3167
<211> 372
<212> DNA
<213> Glycine max

<400> 3167

agcttcggtt aatctcaaag ctacaaaaac ataacctcgt tttaggatta ccaagtatgt 60
catacaaaga tgatttactt tatgaggcat gtgaaaaggg aaaaaaatta aaaaactctt 120
ttttcaagaa aaaacattgt ttccacctca agaccttaca tattgatctg tttagtccaa 180
ccaaaagaca tctatcaggg gaaaaaaggt attgactcat cagagccgat gactactcta 240
aatggacatg ggttaacttc ctagcctaga agaatgaatc ttttagtgte ttctttaaat 300
tttgtaaaag aattcaaaat gaaaagaatt atgcattacc ttaatcaaaa gtgatcatat 360
gggagaattt ga 372

<210> 3168

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3168

agctgtgctt tgtgccaaaa ttgaactgta ctgngaatgc caaagttgcc gatttaggaa 60
ttcttcctta agattnaatg tgttttccca aatgaattga tccttcctct ggntactaat 120
agggaaaaca cacaaggata agtgtaagaa gaggcttcat gagcaccgaa natcccctga 180
agaccttcca acccattgtt ctaagagatt gcaatagtaa acccaaaact ttagttctgt 240
cgattcccta gttcctttcc cctcataatg ggtggaggat tnttctccaa gaatttgaat 300
tcgtagaata tgattggtca tgggtgacgtt tctggtgtcg tccaagacat catgggtaat 360
gtcaacccca ctctaattg ggtttgctac tccgagctgt aacaccctga aatattacta 420
attataaatt gat 433

<210> 3169

<211> 370

<212> DNA

<213> Glycine max

<400> 3169

tatagcttac ttattatcca caaaaagctt cactccatta ctttccttga tttttaattc 60
ttgtaataat gtgtccaacg agacagcttg gcaagcactc attgtagctg gaacatactt 120
agcttcacat gttgataaag ccactatgga ttgcttctta gaactccatg atattggtgt 180

tgcaccatac atgaatatgt aacctatagt actctttctg tcatctctgt ctctcccca 240
atccgcatca gtatatccca ctaattcctc tgagttgttg ttgtctttat ttggaaatag 300
aattccagta ttgatgggcc cttttatgaa ccttagaatc ctcttagcag ttaggagatg 360
aggaattctg 370

<210> 3170
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3170

gctttttgtt cggattgcct aaaaatttgt ttgtagttcg gctaggtttc ttcgtgcgag 60
ctcaaccgaa gttgtatttc ggccgacgcc ggcattttgt cggccaggat aacattagcc 120
cacctcggca aaaaaaaaaac atgattcacc ggtattgaca gaaaaaaaaatg ctggccttag 180
tcggccagga aagatgaccg atcgaggtct aaaaaagaag catgaccgga ttacgccgat 240
cgaacgtttc ctaatagata tcttccaagt attattcagg gattgaatgg aaaaaacaat 300
agccgacatc ggtagttaaa tagccgtgac tggatatntt tcagccaaca ttgcgcaact 360
tctttcacia acgctggccg ataattttc tttacggtaa aggatgcttt cg 412

<210> 3171
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3171

tcggttntca atttcgagtg tctcgatata ttacgatact taatcagaca tccgagtaaa 60
aagttattgt cgtttgaatt tgcaacgacc atcaacattc aatttcgagc ctctcgatat 120
attacgcgac tcaatcagac atcagagtaa aaagttattg tcgtttgaat ttgcaacgac 180
catcaacatt caatttcgag cgtgtcgata tattacgcga ctcaatcaga catcagagta 240
aaaagttatt gtcgtttgaa ttgcaacga ccatcaacat tcaatttcga gcgtctcgat 300
atatttcgag actcaatcag acatccgagt taaaagttat t 341

<210> 3172
 <211> 405
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3172

 agctnttgat tctatggcca tataacaacca gtctatcccc tcgcgggcaa tgattttgag 60
 cagaaaatac cggacattag tgagctcatg gattgaacca ttacaagagg aggctgaact 120
 tggctatgag attgattatc attctaggta ttgtttctat ttcagcaata gatgcatttc 180
 ttntattttg ctgttggtgt ttctgtatt aatttattat tattttattt gtttgcatat 240
 atgattgtta tctattctcg gctatggaga attgaaatta ttataatgat ttgacttggc 300
 ttttatttat ttaatttatt tctattggct ttttttctcg aatgtactta tgctgtacaa 360
 gagcagtgtg cataccaaat gcatgttatt ctagctcttg atcgt 405

<210> 3173
 <211> 356
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3173

 ttgaggatcg ccacaagaat ngaacaattt tttataatat caaatggntc aaggaagaat 60
 cctaacaaag acaattctca cacttcaatg tcaaaggttc ctttccattc acttcacaat 120
 tgatttatac aaatcaattc ttctgtattt gatagaaaat aaaagaaaaa taaaatctca 180
 acattgtaag cataactaaa atacctttgt gattaagtaa ggcataatta agtttgaggt 240
 ctaaactctca aaactagctc tctcatacaa ttagattgtc ctcatattag tcactatttg 300
 ttgtaaaacc tcttggtct ttttagccct tactcttgtc atggccctct tatgtc 356

<210> 3174
 <211> 433
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3174

 agcttctaga aggagatcaa cttgatgttc tatgcttctt gaagggggca gtccatgagg 60

aatctccttg ngaaagacat ctttaaattc ctgcaataag ggttgaacac tatgagaaac 120
ataaatagtt aactgattag aattatcact ctctctctct tngtatacac tcttttcttc 180
gggtgtatca ctcttctttt tcatattcct ttgtgggtgcc tcaactatttt ctttctcttg 240
ttctctcttt tctctcattc tgattgggtc atcacacact cttctagggg atagagggtt 300
aagagtaaac gaggaagatt tggctattcg tctgtagggc tcttctttgt tacggntcaa 360
caaacgtttg cattgtgtag tccacgcgtt caaaaataag cgctgagatt cgtccaattg 420
atgatataca cca 433

<210> 3175
<211> 369
<212> DNA
<213> Glycine max
<400> 3175

ttcactcgca tgtccgattc aggcgcatag cgtatttata cgctagaaat ctaacaaagg 60
aagctctcga gaaattcaaa tggtcataac ttttactcg catgtccgat tcaggcgcac 120
aacatatcga gacgcttgaa attgaacaac tgattttctc gagaaattca aatggtcata 180
acttttaact cgcattgtccg attcaggcgc ataacatatt gagacgctcg aaattgaaca 240
acggatgttc tcgagaaatt caaatgggtc taacttttca ctctcatgtg cgattcaggc 300
gcataactta tcgagacgct cgaaattgaa caacggaagc tctcgagata ttcaaattag 360
cataacttt 369

<210> 3176
<211> 437
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3176

tgtgggttct attaagaagg caaatattgat cattcctacn ntaggacgac tgcagaaaaac 60
tggtgggcaa atganagaag ggtgaagaaa agagnnggag aaacnnccat gcgtgttgac 120
tgccattctc taattacggc caagtttcnn ccaccaaacc caaccaatgt canttacttc 180
agtcaataac aaaccttctt ccttaccac caccagtta tccacaaagg tcatccctaa 240
atcaaccaca aagcctgtct accgcattc caatgacgaa gaccaccttt agcacaaacc 300

aaaaaaacac caacaaaaag gaattttgca gcaaaaagcc tgtagggttc tccccaaatt 360
 ccgttgatcat atgctaaact tgatcccata tccactcaat aattcaatgg tagccataac 420
 cccaaccaag gtttctc 437

<210> 3177
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 3177
 tcattaagag gcttcctcta gaagcttctt cgtggcttct ttgagaatct acatccttat 60
 ctatccaccc ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataac 120
 gcaacaaata atcaaacatc aaacataatt actaataata tatagatata tatatatcag 180
 ggtgttacia ttatcactca gatcttgact agttaaaact tctgaataaa atgagtttat 240
 cccgcgtttt tactccaaag atcagtgcga atcaaacac tcccacattt tatctctagc 300
 atgcattcat atcatgcac gcataagcat ctcttcatgg catcataatg aacatattat 360
 tcttgcatt 369

<210> 3178
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3178
 gtcacctgcg gcatgcaagc ttgtgttcta natatgttng aatttggtat tctttagggtg 60
 tacatgtttg taggttataa tattgnntag aacttttctt agtatagatc aggtcatgtg 120
 ggttaactag tgactcacta gggtgacca tgactcaatg gcctagcacc ctgactgtgt 180
 caatcaccat ctgagtctaa taacatggaa cacatcctat ctacaccact caaatccctc 240
 atgatcaata tgattcatta caggcccaat tactagctgt ataactcatc tgctatagat 300
 gatgtttgat agcattgtac gaattgtaga ttgttcaagt cgaaagatta ctatctcata 360
 atggttgcca tgagaaacaa ttatgacact tacataacta ttatgaagcc ttctcataga 420
 gagcttgctt ttataaatg ttactcctaa tatntatac 459

<210> 3179
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3179

gcttctatat aagctgaacc attctatcaa taaagacaag ttgagtttta ttcataataat 60
 tagagnttat ctctttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag 120
 aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgccctc gctggaaaga 180
 gtgattcttt ccttcccttc atcttcaccc ttgttctttc aaaccacaat tccagaaaat 240
 tcacctctgc ccagaattat ctctgggcca taactcccat tttacgcact caaattaagt 300
 gattcttgag cctaaattga atttcaaaac gagacctttc acctcgtttt ggaatcacct 360
 catttgagc cctgtagctt cag 383

<210> 3180
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 3180

tacttcgggc gtgtattata gagcaacaag gtagcttgat ggattgtttg ccattgattg 60
 agtttactta caacaatagc taccaagcca gtattggtat ggctcctttt gaagctttat 120
 atggacgaaa gtgcaaaact cctaattgtt ggtatgatga tggagaagca gtacttcttg 180
 gacctgaaat gctacaacag attaacgaac aagtgaagtt gatttgagag aagataaagg 240
 catctcacga taggcaggag agctattatg atagaaggag gaagccacta tattctcagg 300
 aaggagaaca t 311

<210> 3181
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 3181

gcactatcga agacactata caatgctctt gctatgaagg ataaaatttt gtgcaataca 60
 cgcgctattg tgcattcaat aacgggctaa aatatgtttt cgttctttct gtagaatatt 120

caaagtttat ttttagtctc tgcaaaaaaa aaattatcca tttttcatca ttgtaaaatt 180
 aaaatatgcg actttttgat taagaactaa gtttgaacga atataaatct acatggcact 240
 ttttaattta atttttaaaa tacaattttg ggaattaaaa accacaacaa attatagaaa 300
 agaataagaa aaatataatt tgtggcagtt aaaaagcgcc caagtttaat gaaaattcaa 360
 gagtcaccat ggcttttaac taaacaccac ccctccaat 399

<210> 3182
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3182

agcttgagaa agtccttctg attttgttta tacttttctg acttgatggc atgagatgaa 60
 atgcaaagat tggacctctt gttagttgtt atcaatgaat agcttaaaca cttgtgcttg 120
 agtgaaacag tagccgtgag attgtggttt gagctacttt ccttgatatt tgtcttatga 180
 ttaacttcat ataactgtat agttcacatt ttgttctcct atatgtctag ctgcatgttc 240
 tgtgaaaaca agtgataggt acacatttct tcatctttct catcatngca atcaataaat 300
 ttgatgcata cacctttgta cataaacact gcatgtnta ccacttgagg acaagtgagt 360
 tgttctcttt tgcttgagga caagcaaaac tgtaaattt 399

<210> 3183
 <211> 244
 <212> DNA
 <213> Glycine max

<400> 3183

tgtgctttga aaattatgtg catggaatat ttttgagttt agaatgctga actgggatca 60
 tccatttcta ttttctagtt tagttattaa ttcatgaagc tgcggtaaaa ctggtttacc 120
 ttacagttta cattggaggt taaaaaaga taatgacatt tatattatgg gttattttaag 180
 gctcatttaa agttaagcat agggtttggt tatgagcttc tctctctctc ccggatttag 240
 ggag 244

<210> 3184

<211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3184

agcttgatct tttagttttt tatctntaat ctttaatccc tgaacgaact attcaagttt 60
 gtaattcgaa ctttaattat cttttaattc gttcctaaag atagatcgcc aaatctgttg 120
 ctaactgcac attaactctgt taaagatata acagatttat gtgtccagta ttttcgggca 180
 agatgtcctg gacatcgat cccgacatcgt ggatcctgca gcttcaattc ttcatttgac 240
 attntatctt gccttgtgca ttgtgcagcc caatctgatt ccttgacata acgttggaca 300
 tcatgtgcag caactctagc tttccttcat tatctaagtg cttatggttt aacaaaattt 360
 tagccaatct tttaaaactc agtaaagcta agcactaaca atctcccct ttggcanatt 420
 tgtctaaaca tac 433

<210> 3185
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 3185

tctcgatata caatagggct taatcggaca tccgagttat tagatattgt cgttagattt 60
 ttctcagagc ttccattttc aattacgagc gcctcgatat tcaacgggac tcaatcggac 120
 atccgagtca aaagttattg tccggttgaat ttacttagaa gttctgtttt caatttcgag 180
 cgtctcgaaa tattataggg ctcaatcgga catccgaatt aaaagttatt gtcgtttgaa 240
 tataacttaga gcttttgtat tcaattacga gcgtctcgat attctacagg acacaatcgg 300
 acatccgagt caaagatatt g 321

<210> 3186
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3186

cacttcttac aaaactttga ttggaatgtc tctattatga ttgggttggt aagtcttgtc 60

00501-00100

atcttctagt tgagcttgag cacaaagctt tgtgagtagt gaagcttctc aattatgaca 120
tgaaggtagc tgggtgagaaa aggaagctcg attagaatga agtggatgaa attcgtttga 180
atgcatacga naatgccata atttacaagg aacagaccaa gagatggcat gaccaactca 240
ttcactggag gcaattcata gaaggagaca ttgttctcct ttataattct aggttgaaac 300
tatctcttgg aaagttaaatt tcaaggtggc ctggaccttt taagggtcag aaggtgtttc 360
ttaatggagc tatggagatt gaaagcccan aaaactagct cactcaccgt tagccggcat 420
acg 423

<210> 3187
<211> 95
<212> DNA
<213> Glycine max

<400> 3187
tctcccctaa ttttctataa ataggggagg aagtgatgta tatatagggt cagccccata 60
gacactgctc tctatttoga attcgcttgc aaaaa 95

<210> 3188
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3188

agcttatgct gcanatattt acaacagacc ttcttatect cagcagcaga atcaaccaca 60
gcagaacaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacccctaa 120
cctcagatgg tccagccctc agcaacaaca gcagcctgct ccttccctcc aaaatgctgc 180
tggcccaagc agaccatata ttctccacc aatccaacaa caacaacaac cccagaaaca 240
gccaacagtt gaggccctc cacaaccttc cctcgaagaa cttgtgagga aaatgactat 300
gcagaacatg cagtttcagc aagagaccag agcctccatt cagagcttaa ccaatcagat 360
gggacaatta gctactcaat tgaatcaaca acagtcccag aattctgaca agctgccttc 420
tcaagctgtc caaaacccca aaaat 445

<210> 3189
<211> 332

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3189

tcgatacaga tcaactgaat ttgactag tgtatattct ccaaattgta gaagcgtaag 60
aatctacaac aatatatcaa agcattacaa ataatctcat agtcaaatat tgcaatgcct 120
ttttccgtta aacagcagaa ggaaagacac ttgcagtcta tattaatcat gttattgaag 180
cttgccaagt atagtgaatt agtgattagg acttangaga atggcttcaa ctagaattac 240
aactttattg gtagagcata tatatgtatc ttggcataga cagcaacatc tggcactatc 300
catcttttagc tatcaataag aaataattta tg 332

<210> 3190
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3190

agctntacag cagatttttag taatgaccca ctatctctat aataanataa cttaatgcc 60
ttaacctagg gaattaanaa aaacttaatg gctgagtgt actgaaattg tggcaaccaa 120
aagtcaccn caatagccaa caagtcagcc accatttggt ctcccaaaag gctgatgcct 180
aggttgccaa ttgggccctt attacaactt gaactaaacc taactaaagc ctttttagtt 240
gattaacca aaacatattt ttggtcagcc aactntacaa ggattgggcc attatttaga 300
cagactaac actctaaaat tgaacaaaag tgggtgcatt tagtcctcct ccattngggc 360
catgatacaa ctcaaacct tggacttttc tccttgaac ttgngcttgt attcaaatag 420
tatggacagc actt 434

<210> 3191
<211> 374
<212> DNA
<213> Glycine max

<400> 3191

tagtgaaaa attccttcga ataatttttt atatttatta tactcaattt taaaacttta 60
tttgagttct attcaacttg accatcaaca cattggtaaa tattttactt aaatgggtta 120

agtagatttt tagtctttaaa atttttcaaaa atttaaattt taatccttga ataaaagctt 180
aactagtcaa gtctcaactt cttttttgtt aaaatttttag tctttcaaca aaagcttgac 240
cagatcctta aacttttttaa aaatttttatt ttaaattttt aaataaaaagt ttaaatttca 300
ttatttttatt tattttattta ttttaataaga ttttagaaat taaaaattaa aatttttaaaa 360
accttgatga atac 374

<210> 3192
<211> 239
<212> DNA
<213> Glycine max

<400> 3192

acacgatgct taaccactca agacagcatc aaaccaataa cagcgccttaa ccccatata 60
ttgtagaatc aacatacctt aaccatccag agtagaagct taacatggtg ctttaaccact 120
tagactgaag caaaacaata tttgaatgct taccacccat aaaggcagaa gcaacacacc 180
aatgcttaac cacaggcaga aatgtgacat ccatacttaa ccaccatgga cagaagcta 239

<210> 3193
<211> 277
<212> DNA
<213> Glycine max

<400> 3193

accttcttcg aacgaaaatt acaacatcct gcttcggtgt ttcctttgct gccactacca 60
cctccttcaa tgagcgaaaa ttctcaaaat tctcctcatt tcatatccta tttgccactc 120
cctccaccac cagtaactta taatcaatcc ccttctaccg aaaattctca gagatctcaa 180
acttttcttc aatgtcacaa aacacctcta tcgcatttca taagcctccc aatagttata 240
ttcgagcaca aactccttca tatgaggaag ttgatat 277

<210> 3194
<211> 403
<212> DNA
<213> Glycine max

<400> 3194

agcttagcaa gcaacaaaat gctcatttta tttgtatccc aatcaaaacc cagttgcaga 60

tatctctgta aaaggccaag agaatgcttg atcaaaatca tgaatatcta gtaatataatc 120
aatattttaa ggaacagca tatagtaata gacctaaaga aaattgaagg gcgaagaagc 180
aaactacctt agaagcaatg gtaatagaag taggaaaatc aaatataatc atttaggtag 240
catttggtga ggctgtacaa aagggttcata gattcattaa ttatgatctt ttgaatgttt 300
aatttgtaag taaagcttta gtggccactt gctcctatag atcacaaaag tagtggtagt 360
agaagaggag agggcaacaa aagcagcaga agtaccagct cct 403

<210> 3195
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3195

agcttaacaa ccataaatc ctattntaca tttaacaact atcaaaattt gactatggtt 60
caattataca ttntatagc gtctttattt cacttttaca aattgagctc agatccatta 120
tgataactat tacataggcc cagaaaaaat ggggatcatt taagaaaaag ggagataaaa 180
gaaaataata gcaaatcgtg tatggtacct aatagagctt cttccttcat caaactcttc 240
ttccatatac aaattattct caaaattatg tcaccaaaaa attcatttcc ttcttttctc 300
tttcaaatca atttttaaaa ttatttaatg taaagaaaa atgggcatca ttttggaana 360
aagggtgaga aaagaacata ataacaagga aattcatggt atg 403

<210> 3196
<211> 396
<212> DNA
<213> Glycine max

<400> 3196

agcttgatgt caacaacaac caccttgaag ggaatcttct aaatgaattt tctaatttta 60
acaatctgac ccttatggac cttaggaata ataggttcac tggagggttg acccttatgc 120
caccactaca catggctttg ctctctgggt gatgttttga gcaaacacca ctgaagcaaa 180
tagaaacaaa aaaaaaaca aaacaagaca gaacatgagc acccttctga aaccaaggta 240
caagagtgga gccaatgtgt tctccaaga tctaaagggc cagggttgcta gctagcttca 300

atcaaaatta tgaccaggat atataatact aatacagatt gggctctgagc ctaactggca 360
aagttatgaa tcaatcaggg aagagagaga gacaca 396

<210> 3197
<211> 334
<212> DNA
<213> Glycine max

<400> 3197

gcatgtatga aaatgtacag gtaaagggtga cttaaaggaa ttcattggta ctacctatac 60
caacaatgtg catatacttt ttcgtagccc atcacttaag aacttcatag ttaagtgtgt 120
ttggcataaa acaattgagg attaggtgac cttttgagaa attcctcgag aaatgtgtga 180
gtaagaacaa agtatactaa aaattctttg ctagtttatg aggacaatca acaattccaa 240
aagcaatcat gcgttacaat agtatcctag acatttatat ttcttttgct caatagtcag 300
gaggttatga gagagtacaa tttgaaaaga agaa 334

<210> 3198
<211> 348
<212> DNA
<213> Glycine max

<400> 3198

attatcgatg tttctatcac aatccagtga ttggtgacat ctccatgtgt gtgtacaatg 60
tgattatggt ttcatttcta ggattcattt ggaatatttg ttggtgatta tgaataagt 120
accaatcttt tttttattta aaatttttgt ctccatgtca atcgactatt aatcttttga 180
tgtgctgatt atcttccaat catgccttgt taaactgctt gataacctat catgttttta 240
cttctgttat gaatagagag agactttgcc cttgccaatc acgttaaggt gtttcgagag 300
gaaataacttg agtaggcatt atccttgcta cttgtaaatg aaagtcaa 348

<210> 3199
<211> 393
<212> DNA
<213> Glycine max

<400> 3199

agcttcttct gcttccgttt ttgttttctc tgccaattca aattcctcct ttctcgggaa 60

aatcttcacg ctgcgttttc cgggatttc tcgttccccg ttcccgetaa tcgtttcaga 120
 gatcgaaacc accgtttcaa tctctgctca attccctcgc ctttccgttt ccccgtagt 180
 tcgcaaaagg taaacagaag aaaaaaaaaa caacatcaat ccacacatac cttcgttcat 240
 tcattctctt acgacttcat tgttcaattt agggtttcaa aacttccttc tgcgggttctc 300
 gtgcgttgca ggatccaaaa cacgtgacaa taacaggata tattacgaat ttgcttaagc 360
 gtcgtgagga attgcgcgat ttttggcaac ggc 393

<210> 3200
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3200

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 aattgacatt gctcaagagc acttgttcta ctttttttcg tattgcatcc ttcatttgct 120
 taccgatttt ggtgcattca tgtgactccg ttctgatttg gaaatttca acaatgtctt 180
 caattggggg tggatcatga tcttcagaat ctaatcgggg gttaagatcc tttaatgagt 240
 tgacaacaac attgatattg gagattggcg ccttgggtgn tttattgtct ctactatat 300
 tgtatggttc aatcttgcaa ctctttacat agcattcaca agcatccgtc tgatcaactt 360
 tgacaatgac aatttcctt gtggatga 388

<210> 3201
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3201

ttggcatttt cctactaatc atgaggaaga agagcagaat gatgctgcag gatcaagtgg 60
 agtcatagcc attgaacaac aacaacagca acagcagcag cagcagcaac aacaacaaca 120
 acaacaacaa caacaacaac atcaacagca acaatcagag tcttgtgggtt acaactttca 180
 gctccaaagg caattgggag ctttcatttc aacacatggt gacactgacc acatcaattt 240
 ccaaaccaac aacaacaact nctcagaaga tctggcctat ctttcattgg tttcaaagac 300

acccttgccct taattaatgg caaacaccac aaaaaggggtg gaataaaaca ccttctttca 360
atggacaacc aattccacca aaccc 385

<210> 3202
<211> 379
<212> DNA
<213> Glycine max

<400> 3202

atcagcttgg tacatgtaaa attattcccc accaaaaaaa actaagaatt gagctccgct 60
taaaaagaca ataggtggaa tggcaaatca gtgatcttga tgaaatcggg gagcattgct 120
agaaagagag aattggaata ttcatacaacc taagaaaagc aagttctgac tctattaaaa 180
gcattgtatc gaaacttcag accaatatatt tgaagatgac tcagggatct ttttgatata 240
ggggaatatt gctaggaaga gagagctcga gtatccatca gcctaagaaa attcaaagca 300
agttcagatc ttcttaaaac caagatttgg aagcttcaaa caaatattag tgaataccca 360
aaattatttt aaacttgaa 379

<210> 3203
<211> 378
<212> DNA
<213> Glycine max

<400> 3203

agcttgccac ccagctcgtc caggcgagca tgggtgcttc ctccagaagc aacagccttc 60
tggaggaatc ttctggaggg cccaagtggg cctgggtgct atttgactc ccattttttac 120
taagtacacc cctgccttt ttttgggtga ttcttttttc gtaaagttac ggaaacttac 180
gaatttcgta acgatacttg ttttctttcc gtaatgttac ggaaccttgc ggattacata 240
atcatccctt ttttgactta cggaatgtta cggaacctca ctaattgtgc aacgatgctt 300
ccatttgatt tctgggtgtg cacggaacct tacggattgt gcaatcaata tttcttttgt 360
tttccggcat gtcccga 378

<210> 3204
<211> 267
<212> DNA
<213> Glycine max

<400> 3204

acttttatgc tgaacaaatg atggcttgaa tgtgaaaagc atgttgaaat gagaaacttt 60
gaaaatttta aaattggaaa aatttcagaa aatggtttct ttagacatga aggctttctt 120
tttaaaaaaa acaaattgtg tgtgcctaaa tgttctacta aaaatttgct tgtttgtgaa 180
gcacatgagg aggtttaatg gggcattttg ggggccaaaa gactctataa acattacaag 240
aacagtttta ttggcctcat atgaaaa 267

<210> 3205

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3205

agcttgtaat atcacatcgg cgtgagtcac tgcattccca tctaattgtct tttggtttca 60
atgctattct taactcacca aatgaactct tggaaattaa tttttgtat gtatgtttac 120
caattttcct agatttaaaa atgtgttttt tcttgagtct gataaattat aagggtgttt 180
acctgaatga gttacggaat ttttgtgaca atcctatata tgaagaagca tgtgaacaac 240
atgaacatcg ctgataaaaa ctaagtttct ctttttctca ttttgtttat cttctttcta 300
tgataacatt gatgtctttt ttaatgaatt tgctctgata aacaaaacat atttttgaaa 360
aacagagtta anagaaactt cttttgcgcg gatcgtatca canacttt 408

<210> 3206

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3206

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cgcttactcc aaatacgaaa tattttanaa catggaattc tttgggctta tcgcagcgtg 120
caagcttagc gcaacaaaac aacatgtgct tgctaagcga acacatgcac attgagcgca 180
tagcataatc agacaacaaa caacaacaaa catttgcact taaatcaact aacacaaata 240
ttcatagagt catgagcata accaaaatca acctaacatc aacacacaaa ccaactaaca 300

caattattaa acaagttaca gaaaagagga gaaagacaca aaccaactaa cacaattatt 360
 aaacaagtta caaaaaagag gagaaaaagg gtataaat 398

<210> 3207
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 3207

agcttatgct gcaaacattt acaatagatc tcctcaacct cagcagcaaa atcaaccata 60
 gcaaaaaaat tatgacctct ccagcaacag atacaaccct ggatggagga atcaccctaa 120
 tctcagatgg tctagccctc aacaacaaca acagcagcct gtccttctc tccaaaatgt 180
 tgctggccca agcagaccat acatttctcc accaatccaa caacaacaac agccccagaa 240
 acaacaaca gttgacgctc ctccgcaacc ttccctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgcagtttc aacaagagac cagagcctcc attcagagct taactaatca 360
 gatgggacaa ttggctacac aattaaatca acaacagtcc ctgaa 405

<210> 3208
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3208

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 tggccttatt ataaacacta gaccagaatc ccatgctttc aatgtaggac ccaagtctca 120
 tacctagcaa ttggatccta caagagttgc ttgattcatt attgccgcta ttgtcactgt 180
 agaagcactt tctcaccagt catgccatta cagtgtttct aaaggtagcc atataatgct 240
 tcatntgct attgatactt gtttttatta tattgactca tgatgtttac atttaaattg 300

<210> 3209
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 3209

agcttcagga tggtcaattg cttcagattg ttgcacagaa gggcaaaggc ctgtgtggtg 60

gtcgacagac gagcataaac cacagagtct ggcgacaggt gcagattttt gattcatggc 120
 cagggtgggtt accagggttaa ccaaggcatc tagtttacct ttaagctttt tagtctcagc 180
 tgatgaagat gaatttgtgg ctactttatg cactcctcta atgacaatag catcacttct 240
 ggcaactaaat tgctgggagt ttgaagctgt cttctcaatt aaatttctgg cttcagcagg 300
 ggtcatgtct cgaagggctc caccactggc agcatctatc atactttctt ccatgttgct 360
 gagtccttca taaaaatatt ggatgagaag 390

<210> 3210
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3210

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 tttgatcatc ctactaggac gactgaaaaa actggggcaa ataaagaggg tgaggataag 120
 ggagaaaccc atgttgtgac tgccattcct gtacgaccaa gtttcccacc aacccaacaa 180
 tatctttact cagccaataa caaaccttct ccttaccac caccaggtta tccacaaagg 240
 ccatecctaa atctaccaca aagtctgtct accgcacttc caatgacgaa caccaccttt 300
 agcacaacc caaaaacacc aaccaagaag tgaattttgc agcgagaaag cctgtagaaa 360
 tcacccaat tccagtgtcc tatgtgact tgctccata 400

<210> 3211
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 3211

agctttgaaa aatgttgttt ttcaccttct cgctaagtca atctgttggc ttagtgagcg 60
 tccactaagt gcaacactca tgggctaagc gcgaggaaga ctctggaaga agatgagcta 120
 tacaggttcg ctaagcacac cgcttcatct cactaagcgc accgcttcaa ttcacccgct 180
 aagcgagaaa ggcacgcact aagccaaaat tcaactaatgt gcgctaagcg gtccataatt 240
 gtgctaagcg cagagcacg aacaaggcca cctatttaag cttgaaatca tatttttagag 300

ggagagtttg gactaggatt cagagctttg catgtctaga gtttctagag agagaggggt 360
ccaagttcca gagagttttg agagatttt 389

<210> 3212
<211> 388
<212> DNA
<213> Glycine max

<400> 3212

agctttgatg caacatttgg agaggttaat gaaacaacga gatgatgcg tccatgagag 60
gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
tggtgttctt agacaaaacc gaattgatgg tattaactc aacattcctc catttaaagg 180
aaaaaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
caacaactat gaagaggacc agaaggtgaa gcttgccgcc acagagtttt ccgattatgc 300
tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga aatgaagagc caatggttga 360
tacatggacg gagatgtaaa agatcatg 388

<210> 3213
<211> 290
<212> DNA
<213> Glycine max

<400> 3213

agcttctatc ttcgagtatt caattcatta taactgctac atagtattga acagttttga 60
acgaattgca cgaaaacagg ttgcggctgt tttatagaat aactcaattt caagttgggtg 120
tttttacgga aaacatgttg tgccatttag aattttcctt actttaatac agttacatat 180
tgatctgttg ggtgtgcagt tggcctggag ccgtggattt atagtttcat gtgggatctg 240
attctcaaatt ttcgattgac ttgtaagca aaggttattc caaaacgcat 290

<210> 3214
<211> 387
<212> DNA
<213> Glycine max

<400> 3214

agcttctata gaaggttcgt tcctaatttc tctacaatcg catcacctct caatgagctg 60

gtgaagaaga atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120
aagaaaagct tactaaggca cctgttctag ctcttcctga cttttctaaa acttttgagc 180
tagaatgtga tgccctctgga gtgggagttg gagctgtatt gttcaagggtg ggcaccctat 240
tgcttatttt agtgaaaaac ttcatagtgc caccctcaac taccacacct atgataaaga 300
gctttatgcc ttaataagag cctccaaac ttgggaacat taccttgttt ccaaggaatt 360
tgtcattcat agtgcacac aatcact 387

<210> 3215
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3215

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tatcttaggg atcaagtga caaagagaaa ctgaaagtgg agtactgcta cacatttgat 120
caacttgctg atattttaac caaacccctc aaaggggaga ggtttaaaat gttaaggggc 180
ataattggct tgatgaactt aggagatcag aattaaggga aggtgtgaga gtttaatttt 240
gttttgtgtg gggtagattt gtttgtgctt tgaatataag agagagtaac agaattttta 300
aattctgtta taagtactag cctaagtgtg aagggttatt actctgtntt tgcttgata 360
aaagggcata catacatctt aataaa 386

<210> 3216
<211> 366
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3216

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tagganatat gatacgccat ccactataga ataaccatt gtatgagaag cttcaccatc 120
aagagagtgc cttggataaa atgcttaaaa aagaagcttc aatgggtgga gagaatgaca 180
tagagagagg gggggggggg cttatctcat tccatcctat tctcgttatt gctgtctctc 240
tctctccct actcatctgt acattcctta ttatatacac cctgttactc tacaccagt 300

tcacaatctc ctatgtttat tatectatca tcatcatgta actattagtt gtgtactttc 360
tctacg 366

<210> 3217
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3217

agctttcntc accactagat ttctgagcaa ctcttcttc catatttcta tgagggactt 60
aacaaaatgg agaggagtat gattgatgct ggcaatggtg gaacccttgg tgatatgact 120
catgctgagg ctaggaattt gattgaaaag atggcttcca actcccaaca attcagtgca 180
agaaatgaag ctattgttct tagaggaagc catgaggtgg ccacagattc atcttcatct 240
acagaaaata aaaagctttg aggaaaactt gatgccttgg tccacctaata aactcagctt 300
gccatgaatc agaaatctac acttggttga agagtttttg gtctatgttc ttttgcagat 360
caccatacag aactatgtcc ttctttgctg caatctggaa tcaatg 406

<210> 3218
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3218

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ggaaaataatt caagggtagg tccaatttgg taagaagttt ataagaacaa aattggccta 120
atcatttcca aatatgcatg tgaattagga agcatcaaca agaatacagc caaggctatt 180
gtgcaagcaa tcaatggggc aaaacacacc aaaagattat gatgatggat ggctcanatt 240
ctcaaaaagg taaacttatt actttcaaat tgagcttcca aaactatcat gacatgtaga 300
ggaaaaacat ggattttcaa tcacaaaatg tcaagagact tttattttca gaacaattac 360
ccatttcttg aacatatcct ataattcaaa gaanaatatg 400

<210> 3219
<211> 107
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3219

tgcttgagat gaggaagtgc gaaggattaa acttcctgct tttattgccg accacagagt 60

ggtacctgta gatatgtcgc gngggtcagg agaccttggtg gacgtta 107

<210> 3220

<211> 358

<212> DNA

<213> Glycine max

<400> 3220

aatttctccc acacttttgg ggagggccat tgctggatgg ccttgaatat actagggtac 60

acttggaacc tatttctacc acctacaaaa cctaagaaaa ctattttatc tacacataag 120

gtactcttct ctatatttgc atagaggggtg ttttctctaa ggactgaaag aacttgcttg 180

agatgtccta agtgcacatc tacgtctcta ctatacacta aaatatcatc aaaataaaca 240

actacaaatc tacctatgat atcccttaag acatgatgca taagcctcat aaagtgcctg 300

gtgcattatg gagcccaaaa ggcattacta tccttcttac aaaccacact tgggtcttg 358

<210> 3221

<211> 249

<212> DNA

<213> Glycine max

<400> 3221

agctacaata taaagatggc ctcaacatat tccttatttc cagaaggaaa ctctatcaat 60

aaacctccaa tctttaatgg agaggggttac cactactgga aaaccggaat gcaaattttt 120

atcgaggcaa taaatctaaa tatctgggaa gccattgaaa taaggcctta tatacccacc 180

acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctaaagat 249

<210> 3222

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3222

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tttaatactt ttttcggctt ttttacatga agaaaaaaaa aacatgagtc cattttgttg 120
gtcttaattc acattaaata ttgcagtatt atggttacta cgtaaatacat ttaattctga 180
gtatttttta aataattttt taattttctga cattattaaa attaagtaag ttgcctattt 240
gtaaggacgg gaaggaatat gtattgaaat gacccgaagt ataatacaaa acctacctaa 300
naataaactg tctaattttt caaacataaa cctgtcaaaa gtttctttga agcatatcga 360
atcaatgaga tggattgggt caaaaacacc ccta 394

<210> 3223

<211> 266

<212> DNA

<213> Glycine max

<400> 3223

agcttcaaca cctccctttc gatgttattg tgctccctac tcttttagatt gaattttgga 60
gtttttctca ttgaacagcg ttttccagtt tagtgatttt tgaattgtga gggtcgatga 120
tggtgatatg agcatgaatt gaagggataa atgaataact tggttgtgtg ttgaagtggg 180
aatattgatt aattacgttt tttttgttgg tgagtttatg catatgatgc ttcgagattg 240
catatttctg atgcggatgg agagggc 266

<210> 3224

<211> 403

<212> DNA

<213> Glycine max

<400> 3224

agcttgataa cccattcttc tttccttatt acatgatgca taagcctcat aaaggcgctt 60
gggtgcattag tgagcccaaa aggcactact agccattcat acaaaccaaa cttgggtcttg 120
aaagcgggtt tccactcatc accctttttc atcctgattt ggtgataacc acttttaaga 180
tcaatttttg aaaagggtatt ggcacatgc aactcatcaa gaaaatcatc aagtctagga 240
atgggggtgcc tatactttac agtgatgttg ttgatggccc tgcaatctgt acacattctc 300
catgtaccat ccttttttggg caccaacaac actggcacia cacatgggct taggctctct 360

tggaccaaac ctttctccaa caattcttta acctgagact cta

403

<210> 3225
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3225

agctntagtg actgtgtgca accacatatt ttacattgag tggtctcttt gatatgttct 60
acagttgatt ttgcacaaat ttctaattgt cataacatat gattcatgaa aacaatggag 120
gactttccca aaaactagat gagttcagat gtttttgcac ggacttgata aaaaaaacat 180
ttgaaacact gatttgattt gaatatggaa acaagcctta agtttttagtg attgtgtgca 240
accatagatt ttacattgag tggtctcttt gatatgttct acagctgatt ttgcacaaat 300
ttctaattgt cataacatat gattcatgga tatcatttag gttttcttgc tttctttaca 360
ttttaagcca ctggccaaaa agttatccc 389

<210> 3226
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3226

agcttgatag gaagatctgc tgagagcttt tgcttttgta aaagttntaa aaaaataacc 60
aaacactctt aaaaaataaa aaagatcttt tttcagtaga taagataata aaagatcttt 120
tgggccacat ccaaacgggc ccgatatatg atcagattgt atatatacat taacgttgta 180
tttcatctca ttttcatttt attttattgt tcgattcttt ttattacatc acttattata 240
tttataaact ttttagttta aatatatttt ttccctatat tatgatgata ttattgtgta 300
tcacattagc acaaaagtca tatcattgac cgacatatca tcattacaaa aaaaaattaa 360
aa 362

<210> 3227
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3227

agcttcaacg ctcatataag aaacatctat aanatttata tctgatttgt aactcttaag 60
caaacattct aaaatgacaa ggaatagaca taagtaaaaa aagtatagat ggattcacac 120
atttcacctt aaaccttcta tattgtttat ttccattata ataagtaatc atcaatcttc 180
cacttaagat tccccaaatt taagaagatt tacacactac tatgcttcca atcctacaat 240
aaacttattc attttgactt accacctaag aagcaaaaac aatggacaca agcacaaca 300
actcatttac cagattcaaa agtaatacaa aattgaaatt ttaattgaac ttacaatgg 360
aaaggaaatt tgaagcatgc atagttatta aattagatgc aacta 405

<210> 3228
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3228

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ttcttttctc cctttgccaa aaagaattcg ccaaagacta atcgctgaa ttctttttgt 120
gcctctcttc tcccttttcc aaaaggacga aggactaact gcctgaattc ttttgggtct 180
cccttctccc ttctcccttg tcaaagaatt caaaacgaca tagtccgaga attcttttga 240
ttcttcccat tccctaatac aaaagcgttc anaggtttaa ccgcatgaga attcttttgt 300
atccccattc acaaagtatc aaaggtttaa cagcctgaga tctttgtctt aacacattgg 360
agggtacatc ctttgtggtg caagtagagg gtacatatcc 400

<210> 3229
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3229

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atggaaactc ccgagaaatt aaaatcgta ttacttttca ctcgatgtc cgattcaggc 120
acttcagata tcgagacgct cgaaattgaa caacggaagc tctcgagaat ttaaaatgg 180

cattacttta cacatggagg tccgattcat aaacatcaca tgctcgagatg ctcgaaattg 240
aacaacggaa gctgaagaga atttcaaag gtcataactt ttcacttgga tgtccgatnc 300
aggcgcatca tttatcgagg cattggttat tgaaaa 336

<210> 3230
<211> 130
<212> DNA
<213> Glycine max

<400> 3230

agcttcttga acgggatcaa tatattcatt ggcataagatt aaaggatgat tatgtggtac 60
gtgatatctt ttggtgtcac cctgatgcag ggaagttata ccacgcatgt aaattgaagt 120
tttgatagat 130

<210> 3231
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3231

agctnttgca agctggaatc atttatacta tctccgatag ccaatgggtg agtcccgtcc 60
aggtagttcc aaagaaaatc ggctcaccg tgataaaaaa tgagaaggag gagttgattc 120
ctactcgagt gcagaacaat tggagagtat gcatcgacta taagaggctg aaccaggtta 180
ccaaaaagaa ccattttcca ctgcctttca ttgaccagat gcttgaacgc ctggcaggta 240
aatctcacta ctatttcctt aatgggtttt ttgggttatat gcaaactact attactcctg 300
aggatcagga aaagaccaca ttcacctgcc ccttcggcac ttttgccat aggaggatgt 360
ctttcggcct gtgcaatgcc cctgggtacc 389

<210> 3232
<211> 389
<212> DNA
<213> Glycine max

<400> 3232

agcttgccac ccagctcgcc caggcgagca aggtggettc ctccagaagc aaccgccttc 60

tggaggaatc ttctggaggg cccaagtggg cctggttgct atttgcaccc ccatttttac 120
 taaatacacc ccctaccttt ttttttggtg attctttttt cgtaaagtta cggaaattta 180
 cgaattttgt aatgatactt gttttatttc cgtaatgtta cggaaccttg cggattacat 240
 aatgatccct tttttgactt acggaatggt acggaacctc actaattgtg caacgatgct 300
 tccttttgac ttccggtgtg tcacggaacc ttacggattg tgcataata ctttcttttg 360
 atttccggca cgtcacggaa cttcacaaa 389

<210> 3233
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3233

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 cttgtatcct aaccagcctg ctctatgggc gaatctgcag tcacacattt aacttaaagg 120
 tgtggaggct ttgaaagccc aatatttgac cacaatcagt ctttgcaaag actaaaacaa 180
 ctcacaatct tgtaaacatc acgcataaaa ttatgaaggc tttggaaact caacctctaa 240
 ccataattaa tatttacgaa gatcgaataa cctacaaagc attttgtaca acctcataac 300
 aaaacattgt gttnggggtt accccatagt tgatttcatt attattagt taatattaaa 360
 tgcttacaga gaacttgata ataataaaa 389

<210> 3234
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 3234

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 attacgaagg aatgcatagg tcacatctta cacctcactc ccatagagga gagaaggaaa 120
 gaaagcctca agaggctaac attaacctcc catacttcca ggggaaggac aatctacagg 180
 ctaacttagt tttggaaaaa gggcccagca ctttcttaa aagagagccc cgcccagatc 240
 tatgggctct cactcttctc caaagaaata ccaagggtcaa ggcattctaa gggtgacac 299

<210> 3235
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 3235

agcttctaag aatcaagatc aagattcatg actcaagatt caagaatcaa gagaagactt 60
 aatcaagata agtatgaaaa agttttttca aaaactgagt agcacatgga tttttctcaa 120
 aacttgttta ccaaagagtt ttactctct ggtaatcgat taccagatta ttgcaatcga 180
 ttaccagtag caaatgggtt ttcaaaaagc tttcaactga attacaacg ttccaattga 240
 tttcaaaaag ctgtaattga ttacaatggg ttggtaatcg aatacc 286

<210> 3236
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3236

agcttataag aaanaaattg cctaaattat ttccaaatat gcatgtgaat taggaagcat 60
 caacaagaat aaagctaagg ctattgtgca agcaatcaat ggggcaaac acaccaaag 120
 attatgatga tggatggctc aaattctcac aaaggtaaac ttatcacttt caaatcgagt 180
 tttcaaaact atcatgacat gtagaggaaa aacaaggatt tcaaatacaca aaatgtcaag 240
 agacttttat tttcagaaca attaccatt acttgaacat ttcctatatt tcaaagacaa 300
 acatgcaaat ttaacacaac aaaactaaca aaattaaact agaaccaac aaaactaaca 360
 aaattaaact tatttaacac aactaacaaa 390

<210> 3237
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 3237

agcttcacat aatttttttt tcacaaactt tagttttgga agaccaatta ctaaattcttt 60
 cctaactaga tgattgagat gatgcatggt tatgtgtgca gtctacaat gccacaacca 120
 agaatcatct ttcttactta ccaacaact cagttcatga aacgatgcat gttcaatggt 180

taacatatag atattaccta tccttttacc aatatggaca acctcactgg atatggcttc 240
 actagtaagg caacaattct tgttgaattt gattttgaag cctttgtcac atagtggct 300
 aatgctcagg aggttatgct ttagtctatc aacatataga acattctttg tttgtgtttt 360
 gtactaattt ccaatat 377

<210> 3238
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3238

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 atggtccttc ttgaccaga catgaaagag tctataaaag caaggctttt gtttgcattn 120
 taagacaatc taatcaatcc aatacaatct tttacaagcc ttgaatctct ttgaacttct 180
 tcactttttt tgtgcaaaa gctttccaaa agtttctgggt tttttaaaacc ttgaaaactt 240
 gngttattca tccttttcat tctcttctcc attttccaaa atgaatt 287

<210> 3239
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 3239

agcttcttat ccaacgctca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
 gtggatggcg cctcctctcc cctcttctcc tttgtcttcc gctgcatctc catgggtggaa 120
 aaccaccatt aaaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180
 gcaagcttcc atcaatagtt gcgtgatagc ctccctctcg gttgttctcg cacagttggt 240
 cacccttcaa tatcaggggg tggcccagga actgataaaa ggaaacggtg gcccataac 300
 caggagcgca agtcttggtt aagcatttaa aggcaaagga ccttaaattc tcttaagggtg 360
 cagatgtgga gccctctgaa agcgaggatg cgtagccctc taaagg 406

<210> 3240
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 3240

agctntatca aatggatggt aaaaggggtt ttctaaatgg cttaattcat gaagaagtat 60
atgttgaaca acctccataa tttgaaataa cagataagcc aaatcatggt tatagattga 120
aaaagacttt atatgggttg aaacaagccc caagggcatg gtatgaacgt ctaagtaaata 180
ttctttttaga aaaagatttt tctagaggaa aagtggatac cacactattc ataaagagaa 240
agtatgatga tattatgtta gttcaaata atgttgatga tataatattt ggatccacta 300
acgattcatt gtgcaaggag ttctctcttg atatgcaaag cgaacttgag atgtcaatga 360
tgggagaact aaattacttc ctgtggttac aaa 393

<210> 3241
<211> 402
<212> DNA
<213> Glycine max

<400> 3241
agctttgcgg atttgggtctt cgccagtgaaggatcgatg tgggtccgaa aagaggcaaaa 60
tttgatcatc ctactaggac gactgagaaa actggggcaa atgaagaggg tgagaaagag 120
ggagaaaccc atgctgtgac tgccattcct atacggccaa gtttcccacc aaaccaaca 180
gtgtcattac tcagtcaata acaaacctcc tcttaccca ccaccagtt atccacaaag 240
gccatcccta aatcaaccac aaagcctgtc taccgcactt ccaatgacga agaccacctt 300
tagcacaac caaaaaaaca ccaacaaaaa ggaattttgc agcaaaaagc ctgtagggtt 360
caccacaaat tccgttgtca tatgctaaac ttgatcccat at 402

<210> 3242
<211> 322
<212> DNA
<213> Glycine max

<400> 3242
agcttcttga acggcatcaa tatattcatt ggcatagttt taaggatgaa catgtggtac 60
gtgatattct ttggtgacac cctgatgcaa tgaagttata caacgcatgt aatatgatgt 120
ttttgataga taataacctac aaaataaaca gggttctaact cccactactt gactttgttg 180

gtgtgacacc aacggggatg acattgcttg ctggatttgc atatctggag gctgaacgtg 240
 ttaataatgt ggtataagct ttataacagt ttgagggtttt tttttaaaac gcgatgtctt 300
 tcctggagtt attgtgattg ac 322

<210> 3243
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3243

agcttgtctc cctaagggag aaaggaagct cgtctccttt ttcttctctt tgctgctgg 60
 atgggtttct ttttgtggct tcattgcgga ttcttagggt ttgaagggtg aaaaaagctc 120
 tatctcgatc aatggaggcc gaggcagaga acaacgacgt gaagaaggaa gaaaacatct 180
 ttgataacca caacgacaac aacaacaaca acaacaatga aagtgacaac aaaattagga 240
 attcgagcga gggctctgagc aagcccaagc gtcaaataaa gatgtcgttt cagcttgaaa 300
 tgctcgagaa agcttatgtg gggttggttat cgctaacctt tcttatttta ttttttttct 360
 tgggtcaattt ctagggnntt ttattgctca tttttt 396

<210> 3244
 <211> 391
 <212> DNA
 <213> Glycine max
 <400> 3244

agcttgcatt atggtattta ttgtggtttc aaatatattt ttgcctgagg tctggttatt 60
 accatgagac aagagatgtt gcccaatcat cacatcaatt tgctcctttg gtacatactg 120
 tggtcactac ttatttacta atttatgatg tagtctttct taataattta cttatttctg 180
 acagttgaca gagtggatta ataaaggagg gatggtacca gaagagattg cagctgccgc 240
 agcatctgag gaatgtgaaa gaatattgat tctcattacc cattgactta tgaaattcaa 300
 gtacataaaa aatttataca aaaaatatag aaaataatgt ttaatttcca actatcaaag 360
 ggtataaatt gttgggtggtt ccttatattt t 391

<210> 3245
 <211> 395

<212> DNA
 <213> Glycine max
 <400> 3245

agcttttaaaa tttgaattaa aacgttcata aactgctggt aatcgattac tatatatgtg 60
 taatcgatta cacagtgcaa attttgaatt taaattttta tagctgttgt aaatcagttt 120
 tggccaccgg taatcgatta catcctctgg taatcgatta ccagagagta aatttggtga 180
 aaaagacttt tttaacttaa aattccttggc caaacctttt gcaatttcaa ttggaattcc 240
 cttcctattt aatataccttt ctaagactct atagactgtc ttgatcatcc atcttgaata 300
 tctttaattt ctttgtcttg aataaagctt tgagacgcat gtgaaacttt ggcacatca 360
 aaacattcag ctttatcctt tgtctacaaa ttggg 395

<210> 3246
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3246

agctnttaac tgggaaagtc tctcatatac tttntgagat gtttaaggat gtctgaaatg 60
 aaaataaaaag gtcataattgg attggaagat ttgtctaaaa caatttgta ccacattgga 120
 atgcacctgg gtatcgttcc aagtgtgctg aagcaacaaa taaaaataaa aaaattgggc 180
 atctgaagaa ggggtgggtgt atgctgataa gtggttctat tagcttggag tatcacacca 240
 ttctgctttgt atgtacgtta aaaatataat acatacttct ttgtacttgg ttaatttacc 300
 acttattttt ttattttata atgtttgtta atagtcagag acgctgggtc gattggcata 360
 cacatatgag ctctttcagc aaactcatt 389

<210> 3247
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 3247

agcttctttt ggaccttgaa caagcaatta actcctcttt cagaaccatg ctatgtgctc 60
 gcgactgggtc tctttcttcc cttcgcaact tgagttcact attgctaccc catagagctc 120

<210> 3250
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3250

tgcaagctng aaatgaggaa gtgtagaagg gtgagacttc ctgcttttat tcgttgacca 60
 cagagtggta cctggagata tgtcgcgggg gtcaggggcc ttggggacgt caggtgggggt 120
 gctattgccc aaaaccaagc ttgaccaatc ccgacccaac ccgagcatag tcagtcagt 180
 agaacctgtg atgtacctaa gcaggcgagc tccgggcagt caacagataa aaggaacaaa 240
 gaccacaaag caaggaagct tgtgtggtgg ctggccagct gtgaatctta tgtgatatgg 300
 gttatggcct ctggtaatcg attaccaagg gtgggtaatc aattacaagg cttaaaaaatg 360
 aagacaagag gctaagatgg tctctgataa tcnattacca aggggt 406

<210> 3251
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3251

tgcaagcttg cagaattggc cttcgccagt gttatgatca atgtgggtcc gaaaagaggc 60
 aaatntgatc atcctactag gacgactgat aaaactgggg caaataaaga ggggtgaggat 120
 gagggagaaa cccatgctgt gattgccatt cctgtacggc caagtttccc accaacccaa 180
 caatatcttt actcagccaa taacaaactt tttccttacc caccaccag ttatccacaa 240
 aggccatccc taaatatacc acaaagtttg tctaccgcac ttccaatgac gaacaccacc 300
 tttagcacia accaaaaaca ccaaccaaga agtgaatttt gcagcgagaa agcctgtaga 360
 attcaccaca attccagtgt cctatgctga cttgctccca tatctactt 409

<210> 3252
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 3252

aggccggaga tatatcggtg taacgatacc taatcactca ttctattttc tctcctccgg 60

caccagtgc cgtgaacttt ggaccggtta tcctatgacc gagctgcac tattgacaag 120
 ggaacggggt ttagggagcg caatcggtct cacgaatcgc ggccggagac tacatcacgt 180
 ggacactcaa ggcgaataa tcgccggggg gccaacactt gaacaattgg gtaatttgag 240
 gggacagaag gtcatatcca cgctcggtcg cactccacat tgcaatgcc ggctggaag 300
 cgaggaactg ctcagctgag tgctggaata ttgaatgggc ctcaaactt ctccattgct 360
 aagaccagcg atcatgcctt gtggtggatc caaaccaatg gcccttaca ttaagggcc 420
 taaggaacct taattgattg ctaaatagac cttcaac 457

<210> 3253
 <211> 362
 <212> DNA
 <213> Glycine max..
 <223> unsure at all n locations
 <400> 3253

agctntgtga gcttcaaaag ctcagcatgt tcactaccct gaagaacatt gcaagttgag 60
 ttctgcaagg taagaacagg gattgcaaag attgagtgtg cagttcttcc ctcagacaac 120
 aataaggatg ttatgccact tgatgcaact gttaaaataa tatgtccctt tgaacgaaat 180
 gcagaggcta gtgtcttccg catgaaagtt tttcaatccc cctataacca taaaggaaga 240
 aaatgccacc atattgcata ttaacatcat tcattactat atcaaagata ctttnttgct 300
 catctgcacc aaggaaagtt gaaaatatc ttaattactt aagatatata aataattgaa 360
 tt 362

<210> 3254
 <211> 244
 <212> DNA
 <213> Glycine max
 <400> 3254

agcttatttg ggctgtggcc aggttagatg aagtatttgt agagggaagc tcattctcga 60
 tagggtttga gtttgcgccc gcattctcgg cttcaacgat gagaatgaaa aacttagagg 120
 agcaccggtg cctcagagag aacttctcat tgcagttgaa gcacaaacc ttttcctggc 180
 gtatcgcat ttctttaagt gacaggcggt taaaaggag gggatgtggt ttggctggaa 240

<210> 3255
<211> 394
<212> DNA
<213> Glycine max

<400> 3255

agcttgacac cattgcttgg tgctttcatt gctgattctt atgctggaaa gttctggact 60
ggtactgttg cttccatttt ataccagata gtaaagatcc tctcccgact ctttttctta 120
tgattgacaa gtattactta tatatcaaatt ttttaacttct tgggtgttcca atcatgtatt 180
ttgtattctt accattcgag aaaagtagaa tgttatctgc agtgatatgg atattattat 240
tagggtaatg gagctagagg atcaagggaa ccctttccct aaccctaatt ttattgaaaa 300
ttgtatcgga atattttggt ttttattggg tagctattat gaatattttt attagggtttt 360
aatagtgaga gaaatttaaa tttagtatct cttt 394

<210> 3256
<211> 391
<212> DNA
<213> Glycine max

<400> 3256

agctttgcag atttggctctt cgccagtgaaggatcgatg tgggtctgaa aaaaaaaggc 60
aaatttgatc atcctactag gacgactgag aaaactgggg caaataaaga gggtgaggat 120
aaaggagaaa cccatgctgt gactgccatt cctgtacgac caagtttccc accaacccaa 180
caatatcttt actcagccaa taacaaacct tctccttacc caccaccag gtatccacaa 240
aggccatccc taaatctacc acaaagtctg tctaccgcac ttccaatgac gaacaccacc 300
tttagcacia accaaaaaca ccaaccaaga agtgaatttt gcagcgagaa agcctgtaga 360
attcaccoca attccagtgt cctatgctga c 391

<210> 3257
<211> 280
<212> DNA
<213> Glycine max

<400> 3257

tcaagcttct ttatatatat atatatatat atatatatcc ctttggcgga tcaaaataca 60
 taaaaaatat tctgagcctt gtggacgaga atctagaggg taattcgaag aaaaagatca 120
 tcgtaaagca gttcgtagct attctgttgc ttagagaaaa tgattaattt ggacttacca 180
 tgttcactag agcagacttg gctttaactt ttttagacag gctcaaatta attccatggt 240
 ttattatcaa attgatatga agcacatgat caaatctttt 280

<210> 3258
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 3258

agcttatgcy catacttctt cacgaacggt cacttacact agacattctt ataactaaga 60
 gaaatgcacc catatacaat caaggcacct tcgttaccta gattatttac atgtacttcc 120
 aaggagtatt tggtacctac atcacacaca tttcctttgc taaattcaca tacatgcata 180
 ctctaagcac tttggctatc gaagattgca tatgcygaca ttcctggtat ttttataacc 240
 tatcatacc aaacttatga taatcttgac tattacacaa aagggtact ttatgctctc 300
 tttttttttt ttcaagggtt tactactaaa gccattcaa attaagtatt ttttctttgg 360
 tactaaa 367

<210> 3259
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3259

agctntgaat tcattctatg cacccttatg ggtccattct tgctttgtat gttttcatct 60
 tcattcttct actttcagta tttcttttct tcgttttaag cgagttttga ccgatcggtt 120
 aagccgtaat ttcacttaat cgatgtttta aggaatttca atcgatcggt tgtgtggtaa 180
 ttcgttttaa tcccccttaa aataaaatcc aactgatcat tcatgtcgta acctcggtta 240
 aataaaaaaa gcaaaaataa taataaaata atcaaaatat ctgaaaataa tattataata 300
 atagaataat aaaaaaaccc caatcgga ttttactttt gaaagttcct ttaaagtagc 360
 tgatnnatat aaagtgaat taa 383

<210> 3260
 <211> 166
 <212> DNA
 <213> Glycine max

<400> 3260

agcttctttt ggaccttgga caggcgatta actcctctta cagaaccatg ctatgtgcac 60
 gcgacaggaa ccttactttc cttagaaaca cgagataact atagctaccc catagagcta 120
 cgccataaat gttacggcca tactctttct tgcgaaccct cttggt 166

<210> 3261
 <211> 175
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3261

agcttgaaga aattnttaga ggaagaacaa gtcacatgaat gtatgaaaat ccaattctcc 60
 tcaagagaaa gaagaactta gagaggaagg gagatgagta tgaaaagaat gggaggaaag 120
 ggaggctgtt acgctttaca tttgggaaag aagggatggt tgctatttgc atgtt 175

<210> 3262
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3262

ggctgcagct gtcgttgaat ctagacctgt gttttgttga aactaaagat atatttgaac 60
 aagctgaaat gattattatg gatgaaaatg ttgtcttatt taactttctt atgttaatag 120
 atattgtatg gtgttataat aatttgtttt ctgattatta cctttggact atgatttttg 180
 ttcttgcagg ttgacaagat tcatgtcctt ataagaaaag aggagttaaa gacatggaaa 240
 ttgactctaa aggagaacaa cacttatatg atgcacaact ntaaaatttt taacaacgag 300
 ggccagtata agctatgttt gcatccatat aagttgattn ttactggtgt cactattgtc 360
 atagaagtgg accttcctaa tatcccttta aaggcatatg ag 402

<210> 3263
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 3263

agcttccatc acctcgggtt tctttaactt cgtgggacac ccttttcagc acaagggtccc 60
 cctcattcaa cttgtggggg cgcaccttct tgttgaacgc gttctttatc ctttgttgat 120
 acaggcgcct atgggtcatg ggcgtcaaac gcttaccttc aataagggtg agttgggtcgt 180
 agcgtgtttg agcccactct gattcttcta ggcccattc tgctagtatc ctctgggaag 240
 ggacctctac cttaaacggg agcactgctt ccatcccata aaccaaggag tacagtgttg 300
 cccagtaga atttcgtacc aagggttcggt acccatgcag ggcaaaaggc aacatttcat 360
 gccaatcttt gtacgacact gtcataccct aatttcgtcc aagga 405

<210> 3264
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 3264

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 agagaacaag aaatgaagag ccaatgggtg gtacatggat ggagatgaaa aagatcatga 120
 ggaagcggta tgtgccggt agttactcaa gggacttgaa attcaagctt caaaaaactaa 180
 cccaggcaaa caagggggtg aggagtattt caggaaattg atgtgctcat gattcaagca 240
 aagattgaag aagatgaggt gatcaagata taaccaaggg caaggaccat gaagcacttg 300

<210> 3265
 <211> 242
 <212> DNA
 <213> Glycine max

<400> 3265

agcttgcattg attcacataa gtctattatc aaacgggtta attcagttgg ttgaataaag 60
 tgtgagtgtt ataatatcgt atttgctgca acctaacatc acaacgggac gacgaaagac 120
 aataaaagag attttttttc ctaagaagga aacgagaggg agtcgccact aacattttatt 180
 taggggaaac gttagaaaaa caaaaaagaa agtctgtgaa atttgaaaag agagggttcgc 240

ga

242

<210> 3266
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3266

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gcattatagc ctcaaaacca acgacaggca atgtaaaciaa gggagaattt tcctaaaata 120
tttagacaaa gttatgttgt gaaactcaaa gtagaaaaaa ataggcaatg catgtctttt 180
aagttttggg aaggctatgt aaacaaggga gactttgccc aaattttcct aaaattttta 240
gacaaattta tgttgtgaaa ctagaagtag aacaaaatag gtaatgcatg tcttttaatt 300
ttagtgtgag catatgctat tgccttttagt gttttggaaa atctaaccat tttatttttg 360
tgaaacttgt cttaaattaa attgacacac aatga 395

<210> 3267
<211> 387
<212> DNA
<213> Glycine max

<400> 3267

agcttgatcat aggtcacaata ggttccttca attcaatgaa ggtcctagtc accattattg 60
acaatcaact ctttttcaaa agaatacataa tatatgaaaa tttaacttac caacttgggc 120
gtaacaaatg caacacacct tctccgaata aaacaaaaac ttaataaagc attcataaat 180
caatattagt tctttccatt ccacaattac caacaataat caccactctc attatgaact 240
tgtacaaagt acaacaaaac caagaatacc tgatcttagc atctgcacaa aaagactcaa 300
tgcttgagag gcataccctc tctgggaata agctgatatc atagccgtcc acgacaccac 360
attcctctgc ggcattacat caaacac 387

<210> 3268
<211> 288
<212> DNA
<213> Glycine max

[illegible]

<210>	3269
<211>	124
<212>	DNA
<213>	Glycine max

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agcttgacta acaccaatat gacagggtttt acaggccttc atcaaagctc ttaacaaata    60
acttggataa gccataacct tagtaaaaact accactctta ttccaaaaac ccatcccttg   120
aat                                         124
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<210>	3270
<211>	159
<212>	DNA
<213>	Glycine max

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agcttctttt ggaccttgta caggcaacta actcctcttt cagaaccatg ctatgcgctc    60
gcgactgggtc cttttcttcc ttctgcaact tgagttcact attgctaccc catagagctc   120
cgcgaaattg ttccggccat actcttctct gcgagccct                                159

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<210>	3271
<211>	297
<212>	DNA
<213>	Glycine max

agcttcccggt atccgtactt ggaaggatct gattactgcc ttctaaggc aatatcagta 60
caattccgat atggctcccg accgcactca actgcataat atgttcaaga aagaggggtga 120
aaccttttaa gaatacgcgc agcgggtggag agatttgqcg qcacaaqtaq ctccctcccat 180

ggttgagaga gagatgatca ccatgacggt agacactctg ccagtgttct actatgagaa 240
gctagtaggt tatacgccat ccagctttgc ggacctagta ttcgccgggg aaagaat 297

<210> 3272
<211> 272
<212> DNA
<213> Glycine max

<400> 3272

cccgcgaag aactgacaa aaacttatct tctccttttt ggacaaagta tgacaagcag 60
ggggcaagta aattttcttc ccatcagacc ttggatgcaa gtgtgatcgt atccccatct 120
catctagatc ttgacgggta ttcaagtcac ccttcattct gccttgaatg ttaaggagca 180
tcccaatcac attgtcacat acatttttct ccacatgcat aacatcaata caatgtctaa 240
cgtctagatt agaccagtcc gaaagatcaa ag 272

<210> 3273
<211> 258
<212> DNA
<213> Glycine max

<400> 3273

aacaacatct tactaaagaa ttgaaacctt gagaaagcgg ctaacacctg accaaatctt 60
tgctctata atcttcttga ttgaagtatg acttcctcac tatcatagat caagcgaaac 120
ttggggagga agcatgttac tctccgaggg atcacctaag ggaagaatgc ttactctaac 180
gattgattac attgacttac gggcagaaaa aggagcaaaa tcaccatcaa aggaactcat 240
agtggataac acattcct 258

<210> 3274
<211> 395
<212> DNA
<213> Glycine max

<400> 3274

agcttttctt ccagtccttg tcaatgatgt aaatgcttca gaattgaacc aaatgcattg 60
aggccagctg tgatgagtga caaaaacaat gctgtcctgt tagatgcaaa accagccaac 120
tgaacaatgg tgggactata atacatcaca gtgttgattc ccacaaactg ctggaagatt 180

aagaggccca caccagcata taaacctctt ctcacagctg aagttcttaa aagtttgact 240
atgttgatct tctctgatga ttctgcttcc ttaatttcca tgtcaactga ttctttcaag 300
gcctgaattt cgccttcaac ttcatgtggt ggataaatct ttttcagaat cgattttgct 360
tcctcttctt taccctgtgg gaacaaaaat ggaac 395

<210> 3275
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3275

agctntgagg gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc 60
atcacgatta tcgtctccct ttccatcatt gngggtagca cctgggccgc cagatccctc 120
caccctttgg gcgtgttctt tgaaagatct gtcccccttt ttgcacatgt tccgtagttg 180
catcctatcc ggaaccatat caaaattata ctgatactgc ctaacgaagg caaccattaa 240
gtccttccaa gtatggactc gggaagggtc caagttagtg taccaggtaa cagctacccc 300
agcaagactt tcttagaaga aatgtattag cagttcctca tcttttgca tgcccttacc 360
ttccgacaat acatctttgg ga 382

<210> 3276
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3276

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cgagcaaaat aggtggcgtc taatataatt taaattgtaa gttcaacatc aattttcaat 120
aaaaaaaacc aatgttaaca aattcatgtt aacgttaaca tcggttttat tcaataaacc 180
gatgttaact gatcatcgt taacatcggg tttcagaaaa ctgatgttaa cgaactaagg 240
ctaacatcgg ttttctgaaa acccgatgtt aactaattaa tgtaacatc ggtttttcca 300
gaaccgatgt taaagtcact ttgttaacat cgattntatt caaaccgat gttaaagtat 360
acacaatatt cacaattatg ccacgacgtt tatcttaaca ttggtttt 408

<210> 3277
 <211> 274
 <212> DNA
 <213> Glycine max

 <400> 3277

 agctttttaa atggcccagg tttagatttc tctaaatgcc attgaagtaa tttttttata 60
 attttccatg ttaatcgagc acccgatttt cattcttcgg ttttttttca ccaaaaaatt 120
 tcatttcctg ttttttattt atcatagaac taatacaaag tagtttccat tgagaacggt 180
 accggtaaaa attaattaat cacatttaat aatattaatt ttaaataaaa ataataattt 240
 ttaaaataat ttatcattaa atcttgatat caaa 274

<210> 3278
 <211> 339
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3278

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 tacatccatc atccttagag tatgtgaccg gttaacgtat tctattattc atggattaga 120
 tgcccagaag tcctatgtat tcccttgacac tctattacat gttgaaaaat cctttggaag 180
 acaatccctt attgcagagc tttgtggatg gagatgatgc ttataagaac ctaggattta 240
 agttgatacc atatatttct aagggttcatt tataactaaa tgtgacatgt aataaacacc 300
 aacaaaaaaa atgcaggatc aggataataa gcgtatcta 339

<210> 3279
 <211> 388
 <212> DNA
 <213> Glycine max

 <400> 3279

 agcttcatgt cttcattgta acttacctgt gttgttatat tgaaaaccta ggtctgtttc 60
 gggaactcgt ggtaaccca aggacctttt ttggtttatg ctgcaaggat tgaggaactc 120
 gtgacctgag gtaccaggta agcttcatgt ctttgtgtca ttgtcactga tctcactgcc 180
 aatcttggtg ccattgtcac tgttgggttc aaggttaagct ttgtgcctcc gcgtacgtgc 240

taaatttgag aagcaatgct acctttttct aactcatgag ggatacatag acaataatat 300
 atttagaaat gttgcagtag ttttgtttgt ttcactcgct caattttaat tcaaataaat 360
 ttcttttagta ccaaattact acacttta 388

<210> 3280
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3280

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 aatattttta taactgttaa tttgtttatt aatttcaaaa attattttta caaataaatt 120
 aattcaaaca ttttgatat tttaatgagg aaagtatatg attcgatatt atcatttttag 180
 tgatgtattc aagtttcttt gaaatatatg attagataac attattttat cacgtattca 240
 cataatttaa ataaaaagtt acaataacgt gaggaatagt gaaattttgt tacgcaagat 300
 aatgaaattt gatatttct tattaaattg atatagaatg aaatataana atttaaaa 358

<210> 3281
 <211> 339
 <212> DNA
 <213> Glycine max
 <400> 3281

agcttgaagg ggtgctctgg acagaaactc aaatagcaaa gtgaaagctt cctcaataaaa 60
 attacttgcc cacattatgc aattcctaca aagggttagtc agattctttg tgatatggaa 120
 atactatcat aatttgcaat tgtcattaac actgggtttgg aaagaatacc gcgcttttca 180
 atttgtcatt tgattgtctt ttctttggaa ttatgttaca tacatagcag ttttgcttct 240
 aatgtttgat ctaacaactt agtcatgtca taacttttgg tctgaaatat tattcctcat 300
 tgtgggtttg catacactac taaatactgg acattctat 339

<210> 3282
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 3282

ccccccatc taccctacc ccgacctcat attccctaac tcccagccgg ctcatgatct 60
tgaaccttga tcctgccgcc ccggatctta agaagactgc agcatgcaac ctgttataac 120
acttctagtt gcacccgaag atgttagtca atgctgacaa caattctgac gtacatgccg 180
ttataacaca ctgatagccc taatgacaga gggaaggtag aagaaacca acccataatc 240
ttaaactata tcacccaac cgtgggagac atccaggccc cactttaatc ggtgagaatt 300
acacctacc aacccaaaac attctggatt tttaactg gaaccatttt tgaacttcaa 360
acatttcaa ctgagttttg gttaaagaaa accatctccc ccgcacaccc tgggaaaaaa 420
catccagga tcttccccct ttgggacgag taacccaac agaatttccc tcctcatgga 480
cg 482

<210> 3283

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3283

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taatttgggt tgaataagat tgttatgcat ataagaattt ttattacgag tatttaacac 180
atttatatat ttaattaaaa cttaactta attaataatt cagttgacag aatttcgtgt 240
tagtctataa gaagttatta aataatctaa aatcactaca tatccatggt gtcaacttac 300
taatggtgga tacanggaac attggatagg attcgaggca ttttaattcc aacaa 355

<210> 3284

<211> 224

<212> DNA

<213> Glycine max

<400> 3284

agcttattag tcgggtctttt ccatttattt gtaattttgc attgccattg ttttttcatt 60
aactcttctt gtatctcctt tataatgtaa agattttgct aatcagtatc tctaagacac 120
tgattaagaa ttcaaatga agggtttaaat aaaaaacgac attaatgcat atatactatg 180

atttccaaca cactttcaac gtgaattttt tttaaaaata tttt

224

<210> 3285
<211> 169
<212> DNA
<213> Glycine max

<400> 3285

agcttatgct aaattaggct aaactttcgt aagctgcttg agcagagtct agtcttacia 60
aagggatatg cggaccaaac tcagtataag ttagtctaaa cctaataagg cgtctaaat 120
tgggcctagt ccaacaagaa ggatctgagg atgaagctta gattgattc 169

<210> 3286
<211> 478
<212> DNA
<213> Glycine max

<400> 3286

tgtagtgagg cttggctaca acaatttatt gggttttcta ggattcaaat gtttagattt 60
taagagagca caaatcatag acttatccca atgatcttgt atcatacaag tagcttactc 120
actatctttt cctcttaagt tgcttttgac cttattgtaa caacacaatt tattcttttt 180
ttttaacata caacttattt gttgtgtgtg ctgatgctta acctttttct tttcattcta 240
attgacttcc cttccccaaa tttagagtaa ctttgccttg aaccatatgc tctcctaaaa 300
tctaaacaag gtattaggag ataattattt aagtttaggg ttcaattcat gacaaaatca 360
tttagcttat acagggagca aaggatgcaa ttatcattca aggtaagctt ttttgtcaaa 420
aggcttgtgt atgtacaatc atggccttca tcatgtctc atttatacat ttcattct 478

<210> 3287
<211> 182
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3287

tgaactcctg caatgttgng ctattccaag ttcatttacc atacctttat tttcgattgc 60
ttccttcact ccttcagcta ggcccatgta tctacttca aatgttgaca aaacatcaac 120

tgattgttga tttgctttcc aactgattgt tgtaccaaac aaagtgaaca catattctgt 180
ta 182

<210> 3288
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3288

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gcattatgaa taattctgga gttcaagatt agaattcaaga agaattcaag acttgagaag 120
aacgtttaga gtcaagaatc aagattcaag gttgcagatc tcaagaatta agagcaagat 180
tctagactca agattgaaga atgaagagaa gacttcatca agataaggat taaaaagggt 240
tttaaaactt tgaatagcac atgagtttnt gacaaaaccc tttaccaag a 291

<210> 3289
<211> 176
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3289

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tataaatggg ttgttaggag ggaaaatctg cactatcacc cgagactctg ttgaaataca 120
tagatgaact tccattgtgt gcaaggtatt acgggttaca aatttttttg ttctaa 176

<210> 3290
<211> 482
<212> DNA
<213> Glycine max

<400> 3290

agcttgctct aaatttacat tgatgtttgt atttattgga ggaggttgta tgccattttt 60
gttttaagag tagcattcct tggtaaaact aactttccaa atgtttgcct tcgcaggaaa 120
tcggcccagag gaagcttgcc tcaaagaggt ctaggaagga taaggcggcc gaagggacta 180
gttcgctcc tgagtatgac agtcaccgct ttaggagcgc tgtacaccag cagcgcttcg 240

aggccatcaa gggatggtca tttctccggg agcgacgcgt ccagctcaga gacgacgagt 300
 atactaattt ccaggaggag atagggcgcc agcgggtggac atcactgggtt actcccatgg 360
 ccaagttcga tccagaaata gtcctcgaat tttatgccaa tgcttggcca acagaggaag 420
 gcgtgtgtga catgaagtcc tgtgtaagag gtcagtggat ccccgttcga tgcaaagtct 480
 at 482

<210> 3291
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 3291

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 tctagcatct caaattaagt cttggaagca ataaagaatc aattgccatt caacatggaa 120
 gggttttgaa taaaaaaaaat acatcaaaat actaaaaaat cattaaattc ttacgcgtta 180
 ctttt 185

<210> 3292
 <211> 656
 <212> DNA
 <213> Glycine max

<400> 3292

tcagactata acacaactgg atctacaaat gatgaggtgt ctcttttgtc caaaaatttg 60
 aaatagatcc taaaaaagaa aggcaagttc aagcaatcct ccaaaaagaa agatacttca 120
 ttcaaaaaga gaaaaaaaaa aggaaaacaa taacatcatc tgcttcaaatt tttgaaaact 180
 tggacacatg aaagttgaat gtcacaagca taagaagaaa aggcattctg gaggtaaaaa 240
 aaatagtttg atggccgcgt gggatgatat acacaatgaa agaagcaaca acaattttaga 300
 taaggaataa gccaatattt gtctgatgct taatacagat gaaaaaattg aggtaaaaac 360
 atgctcaaaa tttgatactt tattagattc ctaataagaa gatgaagtag ggatgccata 420
 tgatatTTTT cttcaaaatt gtcatatgat ttcttttaca tgtgaaaaat ataaagaaaa 480
 ataccaacca tctatctgcg aaaacaattc tgtaagaat acaatgcata ttaataggaa 540
 aaaatctgac tctagaagag agtghtaagca aaccaattct cctgaaaatt agacgaacca 600

tttttagtttt ataactaaga atgaaagagt tgtataacta agatttggga agtttt 656

<210> 3293
<211> 173
<212> DNA
<213> Glycine max

<400> 3293

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atctcactac taagacagga aaggggacgg taggctctca tttgttggg tcccttagat 120
gatttgtttt ctgcttcttc agtgtcagaa tatgtttctg actctccagt ttt 173

<210> 3294
<211> 506
<212> DNA
<213> Glycine max

<400> 3294

ttgaagatct atacagtgtg atagaggggg cctttgatca ctcattctga ttttgcttat 60
gattaatttt acttgcaaaa gcttatatgg aacaagctga gatgactaaa gcggctctgg 120
atgtgttctg ggggaaaaat gaatgtggag aaaaccaaga tattcttctc agaaaacatc 180
aactggcata taaaggagga tcttactgca aagattgggt ctcaatgtac tttggggaaa 240
tatcttggag tgccgatatt ccataaaaag gtgaagaaag aatcctttga gttccttcta 300
cataaagtta atcacatatt aagtgggttg aaaagtaaaa tggtatccat ggccgggtaga 360
ttaaatcttg caaagtatgt gaacaaagct ctccctcat atgtgatgca aattgtgaaa 420
attccggcct acatttggg tgaaatttat agaaatgtag agcattttta tttgggggat 480
gatgagaata cgacgagagt gcatat 506

<210> 3295
<211> 171
<212> DNA
<213> Glycine max

<400> 3295

agcttgtttt tggatgcaag agaacacaag agtgggtgca tattaggtga agctaccctt 60
tttggccagc aatcagctat gggctacgcc ataaatagtt tccttacacc tagatgttta 120

gaaattttgt tcatcatgaa catgtaggtg taggataggt agcaaaatac c

171

<210> 3296
<211> 538
<212> DNA
<213> Glycine max

<400> 3296

aattgcctga atcattttcca aatatgcatg ttaattttga cgcatacaagaagaatcaagc 60
caaggctatt gtgcaagcaa tccatggggc aaaacacacc aaatgattat gatgatggat 120
ggctcaaatt ctcacaaaagg taaactcatt acttttgaat cgagctttca aaactatcat 180
gacatgtaga gaagaatcaa ggattttcaag tcacaaaatg tcaagaactt ttattttcaa 240
aacaattacc cattttcttga acatattcta taattcaaag aaaaacatgc aaattcgtac 300
gtgcacacaa aattgaccca aaatattaaa ctgaaaatcc gactaaacta acaacattta 360
caaattaaca caactaaca attaacaaaa ccaacaaaac tagcataacc aaagaacact 420
ctccccccat acttaaacaa cacattgtcc tcaatgtagc acaattaaaa gattaaaaaac 480
aattaaatca tcaaagagaa tcggacaagt gtattaaagc aaagaacgag ataggaaa 538

<210> 3297
<211> 167
<212> DNA
<213> Glycine max

<400> 3297

agctttggca ttttagatta ggtcatttat ctggtaatcg tcttaatgtc ttaaatcaac 60
aattcccttt tatttcaaaa gattctaatt aaatttgtga catttgtcat ttagctaaac 120
aaaaacgatt gccatattct cttagtctga gtagaagctc taaaatt 167

<210> 3298
<211> 566
<212> DNA
<213> Glycine max

<400> 3298

catagagaga agaagcataa cagttgaaaa taagatattt gttctgttga ttttatccat 60
aaaagagcat tccaaatttt aaacaaaatc aaagttggct ttcgcatgat atggaagtta 120

[illegible]

<400> 3299

<400> 3300

atagcatttt cttctgcaact tatgcaaaat tctgctgcac aatttcacag cacaaatctg 540
cataaagtgc agatttcgaa accacacttc cctcatcca atcttgctca aataaatcct 600
tcaagtccaa aacatgtatc aatcatgtct aaaccaaagt caagcttcaa aacaca 656

<210> 3301
<211> 172
<212> DNA
<213> Glycine max

<400> 3301

agcttcagac caaagcaact caaaatctat gtatctataa acccctcaat ttagtggatt 60
ttcaaggttt gagaagtga aatgagaatg gggtaaattt ggagcaaact ctcacctcac 120
acaagtctat aaacttaatc taaacttgct caaactgggt tttcacctaa aa 172

<210> 3302
<211> 533
<212> DNA
<213> Glycine max

<400> 3302

gcttcctcca atattgatgc aaaaagtctt ttcaagcttt accttttatt ctctaagctt 60
ttgcatgctc tactcaagat atcattcaaa aagccttcac gcttcacact attggtagcg 120
aactgctatt ggatacacac aacacttatt gtgttcctgt tgaccttcag aagcacctgt 180
tccttgacta cctttttgag ttatttcctt ctaaacctat ggtgtgcact cacaattttt 240
cagatttggc attactgact ccacctaaag tgttatgact aaagaatctc caaaggggtt 300
tgtcaacctg acatttacc tatcttttgg caacactttc ttgcaagtta ctccattgaa 360
tttgctcaat gcatacagt agcttggagc tagtcattat tggggctgct ggaggctgaa 420
tataactttt gaatgttgca tgagttgtcc aagttcttat agctagccac tctttacatc 480
ttcaacctct atcatacaac tcattttgac ttgcatctt catttctacc ctt 533

<210> 3303
<211> 172
<212> DNA
<213> Glycine max

<400> 3303

agcttgaagg catgtaaccc accatcttct catagtagaa caccagtaac gtgtctacta 60
 tcattgttat catcttcttc tccatcattg ggggcgctac ttgagctgtc agatccctcc 120
 acctttgggc gtattctttg aaagattcat gctccttctt acacatgttc tg 172

<210> 3304
 <211> 516
 <212> DNA
 <213> Glycine max

<400> 3304

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 atggtgcttc cctctcttc ttctcctttg ctttctgctg catctccatg gtgaaaaatc 120
 accattgaag gacctcattg aagctcaaag atccagcttc catagaagcc ccacaagcaa 180
 gcttccatca ctttcaagt gttggacctt tcagaacaaa ctcagaattg tcatttctca 240
 agttatcatg caatttattt attcatgcat aaatttaaac tactgaaatt aaattgctga 300
 aatcaaatg cataaaaaata acacaactat cctaaaaaaa aaacaaaatg cgattaacta 360
 aaagaagat aaagtaagaa atcctgggtt gcctcccagt aagcgcttct ttaatgtcat 420
 tagcttgacg agtcaaatgc cttcaagggt gcatgaaggt cacgtagaac acatcttctt 480
 tgcattctcg cctcttagtt agagacgccca tgaaac 516

<210> 3305
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 3305

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 agcccagtca ttgttgtttt ggctgatgcc tatggcacat tcgacctgag atgcgaaaaa 120
 gagtagtgca agaattgtct gttgtacacc tgctctttat gtatggttgg tctcccat 180
 tttttgtcat gaaggtaggc ctatatgttc cctacaaagt catcacatgt gtgccaagaa 240
 aggaaaagca aattgggagg aacttttggc aggtatggta agagcgttcg ttaattgggt 300
 tccccgatgg aaagaaggac gggcccaact tttttgctca tgtgaatgat tcccaacatc 360
 ccctgattg gaacaagggg tgggttaatt ataata 395

<210> 3306
 <211> 160
 <212> DNA
 <213> Glycine max

<400> 3306

agcttatggt atttgtaaatt gttttcttac caattatggc tatttaattt ttgtattaat 60
 ttcttttata ataaactcat ccttggaatt tttgtaccgt gtggttgata cctgtgatga 120
 tcgcgaacct ttgtttgtgg aagcagaatg acgactgtag 160

<210> 3307
 <211> 519
 <212> DNA
 <213> Glycine max

<400> 3307

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 caatgagctc ctctactct aaagttgagc tttagggatt tctctagagt gatattgtta 120
 gggccttcga ggatgaccc tgcctatatt ctttttacgt tggatgcgcc gtcaatgtaa 180
 aagggtccacc aatctaggtg gttgtgttgt ttctgtgaa ttctgccaga aaatcaacca 240
 tgaattatgt cttcttgggg tcgtgtgggt cgtactaaat gtcaaactct aatagttcga 300
 tagaccaagc caccatcctt cctgggagtt cagtctttct caaaacctgc ttgatagggt 360
 agttcatctt gactaccacc tgatgactct agaaataggg cttgagtcac caggctgagt 420
 ttatgagtgc taatgccaca ttttcgatca tttggtagtt cttctcgatg tcatggagta 480
 tgcggctggt gaagtaaata ttgagctage tgctttcct 519

<210> 3308
 <211> 173
 <212> DNA
 <213> Glycine max

<400> 3308

aagctttgtg taatagatta cagtaatttg gaaatcgatt atcagtgttt gtttctgaat 60
 aaaaaaaaaag atgtaagtct ttaaaaagggt tttgaatttt tttaaattgggt tttaagggtt 120
 tttttgtaaa aaatataact tttttaaata gggattttgg ttatgatatg aaa 173

<210> 3309
 <211> 479
 <212> DNA
 <213> Glycine max

<400> 3309

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 ccagggtgct atgcttaatg aagaaaccga tcaagatcag ccgaattggg tgcccgcag 120
 tcccctagac tttgaattga gaaattggca gatcataaag caacccgaga tttatgattt 180
 gatgtaatta aacattccca gacccatttg ctatgcctaa ggcttttagga ttcacatggt 240
 gttgagcgta cttttctttt caattctagt gatcggtaat aaaatgcatt tcaaagacat 300
 atttccttct gcatctctta acatatttat tttcgttgcg attaaatgag ttgctgcata 360
 tctaataatg agttttgcga agacattgat atcgagatcc ctaatgtcaa ttttgagatg 420
 cccatcaacc ggagtggagga aaatgaagag aatgattggg aattgccctc tgatttggtg 479

<210> 3310
 <211> 858
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3310

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 gtgggggggt ttttttatat atcttcccta ctctcactta ttccgggtgt tatacactnt 180
 ataggggggt tacggagacg acgtgcagtg tctttactcc ttttaactctg gactcgggtg 240
 taatcaatca ttgaccgggc ttactatctt cggagacttg aactggtaat gtacctctcc 300
 catcgggctg aattctattt atgtactctc gggggggcct cttttctggt aaggagttcg 360
 accttctctg ctttcacgct tatcgtagac ccgctcgatt accgtgggtca tactcattcg 420
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 aactctacca ttcggttaatt ttacttataa cgctatctc cactgttcgt cctgcgttca 540
 gcctcgtggc gagtttcagt aagggtctat tgtttatagc ttcggtcaat cctctctctt 600
 tattcgttcc ttccacattc taatctcaat ttgctctttg cgctatccac tctctacggg 660

gtttcaccg tcttcaggtc gcaatttctg tgttgccga ctctactagg tgtgctctcc 720
cccgaattgg tgttgcaatt atctatggtc ctgccttccc cgtacttagt gtcattcatta 780
aagtgcgcat cgcttctaag gttatgtgcg catgagatat aggtacgggtg cgtcttccctg 840
tgacacatct actcatca 858

<210> 3311
<211> 169
<212> DNA
<213> Glycine max

<400> 3311

gcagcttaaa tagaccatt tcaggtgctg gaactacttc acatggactt gatggggcct 60
atgcaagttg aaagccttgg aggaaagagg tatgcctatg ttgttgggga tgatttctcc 120
agatttacct ggttcaactt tatcagagag aaatcagaca cctttgaag 169

<210> 3312
<211> 225
<212> DNA
<213> Glycine max

<400> 3312

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caaataact ctgccacatt cacaaatcaa acatgaaccc accatcccca attgtccacc 120
ttcaactgag ctcaagtact cctacgaatc ccttatactc gaacctctca gcaaccggtt 180
cccatcaacc cctccaagct tccacaatag ttcattgtat acaat 225

<210> 3313
<211> 168
<212> DNA
<213> Glycine max

<400> 3313

agcttaactc cttcactgtc ttttaagatt tgttttatta ccaggctgca cgaaggatgc 60
ctgaagacca ggttgctatg ctaaataag aaaccgatca agatcagccg aaattgggtg 120
cagccatgct ccctagactt tgaattgaga aattggcaga tcatagag 168

[illegible]

tatttagtac tcaagctcta aagtttgaat taaaacgttc aatagctgct ggtaatcggt	60
ttcacagtgc aaattttgaa ttcaaattggg aatagttggt gttaaattctgt tctggccact	120
ggtaatcgat tacatcctct ggtaatcgat taccagagag taaatctctt gaaaaagatt	180
ttttaactta aatttcttgg tcaaaccctt tgctacttca attggaattc ccttctctatt	240
taatatactc ttcttaagac tctagagact gtcttgatcc tccatcttga atatctttga	300
ttctttgtct tgaaaaagct tgagaaaacat gcgatctttt ggcttatcaa acatcagctt	360
ggccctttgc tactcatgga ctcttcatca attattttac aaactg	406

<400> 3315

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agcagaagaa gcaagtatcc ttctgtcacc tttaacaaca gattcttcat caaagtctac    60
tcaaagtcga gtaagatctt tgggtggatat atatgaatct tgcaacacag atatggttga   120
gcctaaatgc tatgaaaaat ccttaaagaa gcaaaggcaa ctaattaagc aaatca         176

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<400> 3316

tatcccatgc	ctccttagcg	tatgtttcat	aagaaactat	ctttaactct	tcatcaccta	60
atgcttgata	gatgaggaag	aaagctttct	tgtctctctt	tcttgaatcc	tttaaagtct	120
ccttttgtgc	ttgggatagt	gaagtctcat	cttgcggtc	cttataacct	ttttcaacca	180
tttttcaaac	atcatgtgct	ccaagaagga	ccttcatttc	gatgctctaa	ttgtcatatg	240
cgctcccctt	tagaaatgaa	acttggaagg	atgccgctca	attgcttgcc	ataactatag	300
aggaattttct	tatcaaaacc	taagctctaa	taccactttg	ttggaaagga	gataggaagt	360

atttgagaga aatggaggag gagagaatat ttgaaaaaag gctagttttt atcacttgag 420
 atacgctttg ggcttgactc ctttttgtgt ctttggatgc tttacaaata acaacctctc 480
 cccctattat aggcttcaat gagggattct aaatacctca agaaagatcc acacacctta 540
 attgagagtt tacacatttt ttccaactac ttagttctac acacctcttt ccatgcaaatt 600
 atttttttca cttattttcta 620

<210> 3317
 <211> 170
 <212> DNA
 <213> Glycine max

<400> 3317

agcttggtta cctccttctt cactacattt tgtatcacgc ggttgagtct tctctggggc 60
 tgggtgtcgca acctaccctt cggcgaggagg gtgacgcatt actcgcggtt gcatgttcca 120
 agaaaggaat atgcgcggag tcgccaccaa cgttttatttg aggaaaacgt 170

<210> 3318
 <211> 868
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3318

cggccatgat tgcattgcat gcccgaccnc ttnggnatag aagctcgcca ccctaagaaa 60
 agatccatgt cacagtagac ggagagatgc attttgtata tatatccggc agcatcaagc 120
 atagaatgaa gggaggcgga tcgagtctat tgaatagaaa ncatacacac tctacacccc 180
 attcaaattc gggcaattta atatagacta caatcttggg acacgaatat atagatagtt 240
 cantgttaga ctgcgtcgaa gggactgaat aaatctattt tgccttaagt cgctaatacc 300
 taaacgaagt ggtgcaacaa agacaacgaa gtccttgtca tataatgata aatccttaaa 360
 ccagcactag gcctttatat ctcttggatt caatccaaaa gaaatcaaat ttatgaagac 420
 tagcaaaggc ttttttattt tcctgttttag ctagctctct gacgaggtat attgatttac 480
 taaaataagg gcaataaaca acttccaatg gtaaaaaatg tgcttattta cacaataaat 540
 gaagacagat tgaactacca aaactaacaa cccaacaaa tctggctaga gccaacctaa 600

gtcgacggcc caacttataa ctcgcccaaa acctaataa agtaaataatt agttcaaaag 660
 cttccaacga aacaaaagaa aaaaaatcgg gaatcggccg aaacttgccc cctaccacaa 720
 aaggctggac agaacttggtc tgggccaaacg ctctacaaat gaatagaagg gctcaaacta 780
 agaacacaac cttcattaca caatatatgg tgcactcagg gggacaccaa accgaggtcc 840
 attgggcgcc acgcagaccg gttacact 868

<210> 3319
 <211> 605
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3319

tctcccccaa ttntctataa atagggggag aagggttgta ttttaggggt tagcccccta 60
 ggcacttctg tgtttctcga aatagctgag gaaaattagt tccgtggagg aaattctagc 120
 cgaggcactt ccgtaacgtt tccgtgagta attacgcgaa gatcctcgac cgttcttaaa 180
 gattcatcgc tcgttcttca ttttcttcgg gtttcaacgg gtaattacct caaaccaagc 240
 ttttcaattc attctatgta cccgtggtgg tccacatttt gtttcatgta tttttattct 300
 cgttttcatt tactttttat accccctttt gacgtgctta agccatttat ttaagtcatt 360
 tctcgcttaa tctaaaaata aaataaattt ccaccgatcc gttgaattgt atcattcggt 420
 aattttgggt aaaatgaatt ccgaccgttc ggtcgtgccc gaaccacgtt tggaatcaac 480
 aaaagagggtg gaataattaa ataataatta aacatacctt ttagttaaat aaagcgaaaa 540
 acaacggcca tttctctttg ggattctcat tcttaatcga aattgactat aactacaggg 600
 aacta 605

<210> 3320
 <211> 176
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3320

gcatgcaagc ttctccgaaa ggcattgggga tttctattnt tccgaaaata tctaagaatc 60
 tcgccaaagg aggggccttc ttctttttgg aaggcacccc cggatattgt actttcgcac 120

cttctttcac aactttttct cttttcttct ctctaaattg gtcactttta ctcctt 176

<210> 3321
<211> 121
<212> DNA
<213> Glycine max

<400> 3321

actgggacca ctcathtagg caatttggtt ttttctggt aaggtctgag agagcggggg 60
agattgctaa caagatccaa tcatgtaggc cattaaattt ctcatatgct tgacatatat 120
a 121

<210> 3322
<211> 167
<212> DNA
<213> Glycine max

<400> 3322

agcttatact atttccatgc actatgatat catgaaacat ggaaccatc aatgcactga 60
taatggataa ttaaattatc taagccatcc cccaccaaaa atgcttaaag ctctttaacc 120
attctatttc cctactagg gatattcaac ttggtcactg caccccc 167

<210> 3323
<211> 785
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3323

cgggcaatga tgcatagcac tgnacacccc nctnggtaac taaacttcgc ccttntggtc 60
aaantgggt aaatgagcga ggcgagtcta ataatatgcg ggtgggatca acatacgggg 120
aggaatgcct aacaaaaaaaa cgcgccagc gcgaaagggtg gaaaatctca acgcaaccaa 180
gaggtaaaca taattacact acagtcttgc ctcaaacccc ccttgggtgga ctaaaactaa 240
taccaaagca acattgggtg aagtanccta tacgagagca acacttaatg cgcaaaactc 300
ctcaaataac acaaaattca aggccgcttg tataagggtct aaggcaaaaa accattccca 360
aggtcaagcc accaccagta ctcccagggg ggggacacac cagcagatgc aatccgagcc 420
ttgaaggggc gatgaccccc cgaaccccc agttgaagtt agaggggtac ctccagcggt 480

tttcaaaaact ccaccagggg gggtagccgg cgattcaaac aaccctgtgt aaggggaacg 540
aaagagaaaa taccggttct acaaaaaagg ggaacgagcg aagtgttcga aggcccacga 600
ctcggaccga aaaagctcac tcaaaaaaaaa aacctaggct tatagcaaac gaccactccg 660
ccggtctgaa accattttcg gaatagggag cggaggcgct ggaaaagctg ggaaaacctt 720
tatggggacg ggtgcagacc tagctcgcca gcacagatca aggggtccga gccagcgggc 780
gcggt 785

<210> 3324
<211> 1017
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3324

cgcagtcggt gattatgaat tagcanttag cnananan cnatctnaata taatgagaac 60
atgacccgcg cagaggggnac tgtgcatgna gcgcatctgt acagagcggg accgatgttt 120
atatatTTTT tttgtcggcg tcaagagacn cgatctcaat aggtcgggtgt gggatgtttc 180
tttagtaaca tacatactcc accaccnagc atctcgataa tggaattata tacgcgtggt 240
tatatacagc acgtctctgt agatgtatct acatcgaagg tcggtaaacac taatatactg 300
gtgatgatat tgtcctgtgt cagcttaatt atgtatgtta gatgagtcta cgagaatact 360
atctgttcac tgtaattttc tctcaagccc ttcactcaat atatcattct gaaggctcgt 420
atTTTcattg tgtagtggcg acagcttccct gtagegattt agtataatca tagcttctat 480
TTtaagttat ttatttgaca acaagaaatg acatttgtaa taattattgt caatagtgt 540
ctatgtgaac atatcatatc ggtacaatgc agtatatgtt gcttgtattc taagatgatt 600
aattgcaagt aatgatcatg tccatgatac ggcattatga tccactata ggtagacatg 660
atgatagatg acgtatgctg tagaatgttg attacatgag agacagtaac ttagtatagt 720
gctgaagcag ttgatatacc tttatcaata tcaggctagt cggttctgat ttttcggtaa 780
tatgataaat cgttacgaac tgtgtcatat atgaactcga ctgataatgc taagtgcgta 840
tcgtatatta tgatttctgc acattattcg caggatatct gtttagaagt agattaatta 900
ggaagatgga ttatctaag agttgtctag ggtcgagtac gttctataag tatagtcaaa 960

taccgattat atatacaggc atcagttgtc gagatggcat attgcactag tatatag 1017

<210> 3325
<211> 489
<212> DNA
<213> Glycine max

<400> 3325

ttatcctcag atccctcttg ttggactagg cttaatat actaccctcg taggtttaga 60
ctaacttaaa ctaagctttg tcgtcagatc cctcttggtg gactaggctc aacttaata 120
gcttacgaaa gtttagacta atttaaccta agttttttcc tcagatccct cttggttgac 180
tagacttaga ccaaacaaca ttgttgtaac atcatattta aaaccaaacc ttaatccgca 240
aatccctcat ttaagactaa gtttcaatcc tgcttctatc aagttctaag gcaacaatac 300
atttcccaat gctaaagtca cctaacagta cacacaagtg ggtgatcaga ccaagagcat 360
gcaatcttta agcattgaaa ggagcattga acacaataaa cacaaccaat tagatattaa 420
agtgattaca tcagctgttc tttagaaatc cccaacaagg gtgttttagcc aggattaca 480
gaaaaaccc 489

<210> 3326
<211> 886
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3326

aggcctgtgt agaaatcgat gtannaaccc ctngntagg aaaccaaccg cggggggaac 60
gaanaggtgc gggggaggcg gcaaactttt gtttctattt cgccggaccc actaacaagg 120
ggggagcggg ttatataaaa agaatcctcc cgcacgataa gcagaatgtg ttataaaagc 180
aagagaatag caaacgggt agagggaac ggaatggcaa ttccacctca caaattatgc 240
taacgagcga acgtggaact atggctataa ctgactcaaa gaagttaaac aaatgagtga 300
agaaggtgtg gaggatagac aagagaggaa aaccaccagt gccaatggcc actacacacc 360
atcaacaaac gttccttttg ataccttata ctcaatcggt gttgtcgtca acgcagtaac 420
gtagaacaaa tccaactccc acgttaagaa atcaaccatc cgagcaacac gatcgacaca 480
cccctacatg tatcaacgta acatatctat aagagtagac gcaccacagc ctccactcac 540

aggacgcagc accacggacg tcagcgggac gaaactaacg acaccgggcg taagagccgc 600
 ctgaccacaa agagcgacag gggcccttat ccaaaaaaga cctgagggag gactaagtta 660
 gcatgttctg agaaacagat acacagggca aaccactag atactatcct atcacgcaca 720
 cacgaaaccg accaagaact ggcgaagaga gcaaacacgt caccgaaagc agcaacggac 780
 ccacagcgaa tcagacacgc gtcacacaga aataaagaaa tctgcatttt cacatgcccg 840
 agcaatgtaa cgtattggta aatacaaaaa gcgacgttcc gacgct 886

<210> 3327
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3327

tggttcgagg tacttacctg ttgaagatcg aagaacgatg attaacgaat gaagaacgtc 60
 gaagaacggt cgaaaccttc gcgaaattct tcacggaaaa tgttacggaa acgtttccga 120
 agcgccctcg cttaaatttt cttcacggaa acaatttttc caagcaaatt cgaaagagag 180
 agaagtgcct aaggggctga acccttttct tcttcacttc ctcccctatt tatagcaaaaa 240
 taggggaggt gggtgncgcc cagctcgccc attcga 276

<210> 3328
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 3328

tgaaattgaa caacagaagc tcttgagaaa ctcaaattgtt catatacttg tcacacggaa 60
 gtccgatgca ggcgcataat atattgagat gtcgaaatt gaacaacgaa tgctctcccg 120
 aaattcaa atggccataact tgcacacag aagtccgatt caagtgcata atatatcgag 180
 aactcgaaa ttggacaacc aaagctcttg ataaattcaa atggtcataa cttttcaaac 240
 ggaagtctga ttcagccaca taatatatcg agaagcttga aattgaacaa cggaagctct 300
 cgggaaacaa aaatgggtcat aacttatcac acggacgttc gatttaggcg cataaaatat 360
 ggagacgctt gaaattgaac agcgaatgct ct 392

<210> 3329
 <211> 176
 <212> DNA
 <213> Glycine max

<400> 3329

agcttaagag cctacttttg tggcaaaaca atatagttgg aacaatccca taagagcttg 60
 gaagctgcat agagatcaaa gtcctagact tatcagaaaa ctttctcaca agtagcatac 120
 caaggagctt tggcaacatt tcaaatatcc aggagcttca actaagtgtc aataag 176

<210> 3330
 <211> 478
 <212> DNA
 <213> Glycine max

<400> 3330

tcctcaatth ttatggattg atgctcttaa gatggttgcg tatatattaa actgagttcc 60
 aaccaaggca atctcaaaga caccttttga gttattcaag ggttggaac caagttgtga 120
 cctatacgcg tttggggatg cccgtctaaa gtaagaattt atatccacaa gagaagaaac 180
 tagaccttag gactattact gggatatttca ttggatatgc taaaaggctt aaaggggtata 240
 ggthtttattg tccatcccac aacactagga ttgtggaatc agggaatgca aagtttcttg 300
 aaaatgattt gatcagtggg agtaatcaat ttcagaacat ttcttctaaa agggatcact 360
 atgaagctga accttctggg acaagtaata ggthggtagt cattcccacc cttcaaggta 420
 aaatgggtgt tagacaacta gtgattgaag ttccacacgc tgctgaaagt gatcatgt 478

<210> 3331
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 3331

catgcaagct tcccactgca gcagttaagt gaacaaatga tgtgtccaca gtcagtggat 60
 gattgcttgg tagaagtaca tgctaataac taataagatt tcttgtgtag ggtatcattg 120
 tttttgcac aatgatggct accttggggc tggagatttt gattgaattt gc 172

<210> 3332

<211> 617
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3332

aaggatttga gtttgagagc tacatattgt attttttggt atagnaccaa acgatacctaa 60
 tggctcatga tttagctaaa acatctaaat aaacccgagt atgtctttat aaataaatta 120
 aaaagttatt gaataaaaatt actctatcat aatctcctct cacacatttt ctaacataaa 180
 ctacatcagt atatttaaag gtaattatta attataaatt actaacgcac tttgacaaaa 240
 aaaaaaaga agaaagaatt taatgtacac taacaaattc tactggcttt ttgttaacgc 300
 atatttactg tttctatggg tggaaaacat aagatatagg aacacatttt cattacaaac 360
 ttctcattaa cagttcaaca cccatttttt tttatatctc tatttttatt atattataat 420
 acctatcata tttacatttg tctctcttgt atctttttat ctctctagat atccaacggt 480
 cattaaactt tttttataaa gcaaaatgta cccttaataa aaataattat attgagactt 540
 tttctatatt cttaagaata attaaaatgg gtttaggtta tgataaatct cttagatgga 600
 tataataatc tgctaaa 617

<210> 3333
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 3333

tagaaactaa gcttgtgcta aaaaaaactg atgttgaatt tcaaacatcg gtttgcgcg 60
 ggatccgcta agcaagccta ttgagaaaca agcgctctct ggcttgctta gcgagaggtc 120
 cactagcaag agtgtcgaaa actgcttaag tgagtgtaat ggcagcacac tcacaattcc 180
 agatttgaaa cttcgcttgt gattctctct cccaaaattt acacatgttg catattgctt 240
 tctttttaca ttataacttc atgcaataac cattcagcat ccaggtaagt tccttggttc 300
 cttttc 306

<210> 3334
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 3334

agctttaaaa actaattact tcttgtagac acgtacaaga agtaactagc ttttggttta 60
tttttcgtat ctctaccatc aaaggaatct tcaagctatg aaaaaatcta aaagacaata 120
accaattatt ttatgcattt tgaaaatggc agagcactat gataacagtg ga 172

<210> 3335

<211> 538

<212> DNA

<213> Glycine max

<400> 3335

ttgacttgag tcatcaagag attataaata tgtgaccatg gtatgagttt caataatcat 60
caatcatctt tgaatcatct atctttctat cttttttcaa catcatctct aaaacatctt 120
tcaatcaatc tttctacaca attttctaata tcatttctct ttatctttct aaaagttttt 180
tatcaacact ttctctttca agaaaagttc tttgttcaaa aacttggttt attcagcttt 240
ttcattctct tctcccggtg ccaaaagaac gaaggactaa cgcctaaat tcttttgtgt 300
ctctcttctc cttacaaaa gattcaaagg actaacgcc tgagaattct tttgattctt 360
cccttccct taagcaaaag atttcaaagg actaactgcc tgagatatct tttgtttccc 420
cttacaaga ttcaaaggac taaccgcttg agaattcttt gtcccaacac atcggagggt 480
acatcctttg tggtagaagt aaagggtacc tctacttggc gattgttata ctgagaac 538

<210> 3336

<211> 661

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3336

tctgcatag atccatcttg taaggctagg cttaagttta acagcattat catcacagca 60
tattcagaaa accaaaaccc caacaatcca tccttggtta tatggttatt cagtctgtct 120
tctgtcatat cttaatttcg tgcgggaact attgcttgat ggcattgcaac cttttgattg 180
gccgttcaa ggtacttggc acccgttgtt gcacaatatg tgaagtcccg agacatgcca 240
gaaatcaaaa ggaagcgttg ttacgcagtc cgtgaaattc tgtaacgtga cggaatcaa 300

aaggaagtat tgttacgcaa tccgtgagtt tccgtaactc ttcgaaagct aaaaaaggag 360
 taattatgtg atccctaagg tttcgtagcc ttacgaaaag aaaacaagta tcgttacgaa 420
 atttgtaaag tttcgtaacg ttacgaaaaa agaatcacca aaaaaagcaa aggggtgtat 480
 ttagtaaaaa agggggtgca aacagtaacc aggccactt gtgccttcca gattctttct 540
 ccagaaagcg attgcttctg gaggaagcaa cctgactccg ctgggcgagc tcggtggcaa 600
 gcttctcccc taatttgcta ttaataaggg gaggagttaa gacngaaagg gtcagccttc 660
 t 661

<210> 3337
 <211> 799
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3337

ggtgcacgcg cgcgccaagg ccgganagta nnaccctcg tgtggcgggc gcgcggcgcg 60
 gttttcgtct tntnccgncg ccgcancncg cgcgccgggc gggcggcggc gtggcgcgcg 120
 ggggtgggcc cccgcggcg gcggggcgga aaaatcgcg cccggccg cgggcgccgc 180
 ctcccccgcg cgcgccgggc cgcgccgggc gggctactcc gnnngcgcg gngcggnncg 240
 gggggggggc cgcngggggg gggggggggg ggggcggggc ggcnccccgg ggggggnncg 300
 gggggggggg gccgncncg gggggggggg ggggggggnn ggggcngcg gggggggggc 360
 nncggggcg gggggccggg gggggcgggg gcggggccc gggggggggg gngcgggngn 420
 gggggggncg gggggggggg gggggggggg gggncgggn nccggcgggg gggggggggg 480
 gggcgnnnc gggcgggggg gggggccggc ggggncgngc gggcgggggg ggccgcgggc 540
 ggnnncgggg gggggggcg ggggcggcg ggcgcggggg gggggggcg ggggngggg 600
 gggggggggg cngggcggg cgcnncggg ggcgcggggg ggccggcggg ggcgncgggg 660
 gcgggncg cgggggcg gggggcggn gggggggggg ggggcggcg cgcggggnc 720
 ggggcggcg ggggncgcg ggggcgggg gcgncngcg ggggcgggg ggcgncgggg 780
 gggggggggc ggggcgggt 799

<210> 3338
 <211> 911

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3338

caccaggaca ccggcgggacg cagaagnact ctacaagacc gtagnagtgc caaacaact 60
 gaggaaccag cgaccatcca actacacnnn ccacacnnn nnagcgggtt gatgcctgca 120
 tgaccaacc nttnaataaa anaccccgcc cgcgaaaaan agaccactga aacgacagcg 180
 gacttttcat ttgcctgagc gccaaacacc ggcgggcggg ggcgggaccac aaagagaaac 240
 cacaccggtg cgaacccaaa atacatacca gccacaaga aggaaccacc gccacacgc 300
 caaggaacac accccaacaa aaacaagcgc ccaccagaa caaccacagg aaacaacgcc 360
 ggagaagacc accaccatac aagacttcag gtgcaatacc cgacacgga cactccaagt 420
 gacgaacccc accaaagcaa ggtgacacac agaaaagccg gacaccgaga gaaccacacc 480
 gcgaaacccc ttaacaaaag caccacaac ggaaatcagc cgcacaagaa aactcaaag 540
 ggccgagaaa ctcacaaac ccccgagaaa aaggggaccc aagacacca cacatacaga 600
 gcccaacac cgccaagcga acgagaccaa ccaacgaacc gcacgacaaa accaaaaccc 660
 actcaacaga caaccgacaa caccaaacca atgcaccaa ccaacgagcc tcaccgactc 720
 cgagcgcata acagaccaca caaccgacgc cgaaccaaca atacatgaac aaaaaaaca 780
 ccagccccac cagtcaaaaa ggcaacaacc ggacccacc aggaacaaa aacacacaca 840
 aatgccacaa gcagcactac aaccgggcga ccgaatagat gctacggcca cgtagataaa 900
 aacgccacac g 911

<210> 3339
 <211> 168
 <212> DNA
 <213> Glycine max

<400> 3339
 agcttcctta gcaacatgct ttctcttatg tcttcagacc aattttctct aaagtatcac 60
 aaagttatga aatgttacac aattagcaaa atacaaattt tacaatttca tatcaataa 120
 aacaaaatca gcattactat ccatttcaac cattgaacta aattcatt 168

<210> 3340

<211> 910
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3340

cgcatgatgc atgcatgaca annncatag taaagaaaac ccacgctcgc tgcacaaaaa 60
 aggggaagccg agaaggcaaa tttttttttt atcgcgcgga gccgctaaac aggggggggtt 120
 tgaaaaaaa aaaagccctc ttaacgcatg gttatcagta atggatctct gtattacgat 180
 gtgtagaata actgtctaag cggatgttta aatggaaaac ttcacttcac aatgtaacca 240
 caattaagga aaaattctag ctactggatt tggatatatcg ttcatgaaat gcaacaccat 300
 ttgcgtaata ggggactatt tttttttacat tattcaactt ccattgcgat aaaccctct 360
 acatcccgtt tcaggaccct ggggtagttt acctctattt catgcgggaa gactttctgt 420
 tggcacaaaa cacattgtgc tgccatgggt atcaaaccac acgaaagact catcgagacc 480
 tattcctact gcttagctga ccaacaccat attccattca tctcattaca agaattctac 540
 gcaatccagg ttagatccca taagatttaa ctacttataa gctacattac aaaatcaatc 600
 gcccacgcc tcacacgacg tcaccgcatg caatgatcga atgagctgct aactcgcta 660
 actcgtagt acatactaata attacaacaa gtgattactg acatgatatc aagttatcac 720
 ctgatttgtc tctccacctc centccgaac acggcattca ctctctcta tcttacctca 780
 tatecttacc accacataat acatattctc gcaacatana cgatcattac aacacggaaa 840
 gaaatattgt aggagtaaca catcgacctg actgactact tactactcac tcaccgctca 900
 actttcaccc 910

<210> 3341
 <211> 163
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3341

agcttgaaac ttgcagaaac aactanata aataggggtg aatagtgtgt gtatcaaaaa 60
 taaaaccttt tcgtaataac atggatagta tggataatat agagataagc actggtgatc 120
 catgagagta gatagattgt gtaataaaga aaagagtgat cat 163

<210> 3342
 <211> 819
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3342

ngagcagagt gtttgattca cnnncnatag tanaaanach acgcgggncn ccanaaancc 60
 ttcttgcccg ccaggcccta ttatTTTTTT tatcagaaca agaaggagag ggatttaaatt 120
 actaaaaacc cctccctggc aatatggata tttatnctgg tttttggcct ccttaatttc 180
 ttgcggcaaa tattgattga tgtgatgtaa tcttttgaat ggatgctata tagtaataagg 240
 caaccgttgt tgaacaattt gtgtagtact cgagaaatgc ctgaaattaa aacgaatctg 300
 tgttatgcaa tacaagaaaa tttgtttcgt ggctgatatt ataacgaagt tatggataac 360
 atatccgtaa aattcgaaac tttttgaaag gttaaaaaag aataaatatt ttatcctatg 420
 gggttggaac ctttcaaaaa gaatcaagat ctgaactata atttaatat agaactttac 480
 taataataat attattatag taaatgggtg tatttattaa aaaaggggtg gaaatggatt 540
 aaggtcaatt ttggcttata aaatTTTctt ccaaagaga ttgtttttgg tgaaataaca 600
 ttgaatcttt gggttaactta gggggaaata tcttcctttt ttttgataac aagtgggtgg 660
 gtgtggaaat agaaggata actttcttat gacactctat acatatgtaa acttattaac 720
 aataaacgtt cttcgaaaaa aataagtaac aagtagtatt tcataatgat ttctattgtg 780
 ttgagactaa atataattta taactacatc agtactctt 819

<210> 3343
 <211> 589
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3343

gaatacccaa gcttgactt ttgaacactt gcttatctta tccagagctt tcagtttcta 60
 aactaagtgc ttttaaacta ttgcataac tttgttgat tttgttactt atgggtgtgtg 120
 tcaggatttt gtgtccatt ccttgtttag ttatgatgca ttttttgatg atactcaagt 180
 catgtgtaac ttttgaacat ctacctagcc cttgactgga gatatcttcc aagcatgctt 240

ttgatcatatc aaaacttttc atttctattg cactttgata tgggaaaagc aagattttcc 300
 tttcatgatt ctagctagta aactctattc tagtagtcct acttctattg tggctgatcc 360
 tatgtctgga aggttgacat acttcaagtt gattcttcgt acctttcttg atgcttattg 420
 atcaagtcct atatcataaa cacatcatta aaagagacca ttagcaacca aagcttgata 480
 acttaaaaat taactcttat aaagtaatta ttaataaagc tcaagcatta naaggagtta 540
 ttcttcaaag atttcaatat catcatatta gttcttgtat ttttttttc 589

<210> 3344
 <211> 554
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3344

ttataaatcc ttgctcactt gatacactcc atggatgaac agtttggact tttgccgaat 60
 aaagagtggg ggaatttgca ggaggatttt gctttagat cattgtatca agaacggtgt 120
 caaaattctg aggagaatct agggagacaa agaacatagg aattgcaacc ttctgatgga 180
 tttctaggtc gccacaagg ttaacaagct caacaaaatc actgataagg cgctgaggaa 240
 catagaacac ctgagaactg catattagga gggtttttatc gttgtcgctt ggttctttgt 300
 aactgacttg aaagtgcgct ggcacgtgc taacaacctt ctgtaccatt cttgcttgtt 360
 gtgataacca atctgagtc tcaccatttg ttaatataga agaccaagac tcggatacct 420
 gaattcccag taatgtgtaa attgtcagag aaaagagcta tacgaccttc taagagctat 480
 atgacctttt aagagttaaa gctatgctgt anaatatttt cagtgcatt gtctgaatg 540
 attgaatatg atct 554

<210> 3345
 <211> 595
 <212> DNA
 <213> Glycine max

<400> 3345

tgtaactctt ggcaatttgt ttaaaactag tcacttattt atgttatgac ttttgaaata 60
 atcttcagaa aaaagtcact tgaagaatta tgacttttgg aaatgtattt ttcgaaatca 120
 gtcactggta atcgattacc attaaggtgt agccgattac acatcaacag atgtgactct 180

tcattttgaa ttttgaaaat cttaacgttt taaaatactg gtaattgatt acatgattat 240
 ggtaattgat tacaactttg taaatcagtt tgaaaaacaa tgctggctac tggtaatcga 300
 ttactacctt tggtaaaaga ttttgtgaaa acttcatgtg ctactcaatg ttttgaaaaa 360
 ctttttagta cttatcttga ttgagtcctt tcttgattct tgaatcttga gtcttgaatc 420
 ttgatcttga ttcttgaatc ttgagtcctt aatcttgatc ttgattcttg aatcttgaaa 480
 cttgaaactt gattcttgaa tcttgaatct tgaaacttga aacttgattc ttgaatcttt 540
 gcttgaaact ttgcttaact cttgattctt tgaatcatca aaataacctt ggaag 595

<210> 3346
 <211> 531
 <212> DNA
 <213> Glycine max

<400> 3346

ttataagcgc aggtctggaa gacaaaggtc aagtggctgc attatgcgaa gatgatgttc 60
 cgagtacatt ggatttggtg cgaccatgcc ctccctgattt ctagctggga aattggccag 120
 tggaggaacg cctcggcatt tatgcaacga gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctaggc tttagagttt ttccttttgt taaggctttg tgtcttttgt 240
 ttttgaattt ataatacaag gatctttctt catctgttcc tacgtctcta cccattctca 300
 ttcatttgca tgtttacttc tttttctgaa acggcagatc cgatgacgag tccccgaag 360
 gtactaatac ctgggacccg cctatcgact tcgagcaaga aatgagtcac acggaagatg 420
 aaagaaatga ggatgtggga cttccccag attagaaaga atggtcggcc atgacgacca 480
 agaaatggga cctcatcaag aagaaacaga gcttgtagac ttaggaattg g 531

<210> 3347
 <211> 179
 <212> DNA
 <213> Glycine max

<400> 3347

gcatgcaagc tttggaggca ttacctttat ggaactaaat ttaagggggt taatgaccat 60
 aagagcctta gatatatgtt tgatcaaaga gagcttaaca tgaggcagag gagatgggta 120
 gaggtcctta aggattacga attttagctt aactatcacc caggtaaagc caatgtagt 179

<210> 3348
 <211> 609
 <212> DNA
 <213> Glycine max

<400> 3348

tgaaggacat gcacaaagtg tgactatatg atgtggcaat ggtgtgtatt aagcaaattgc 60
 tcacctcccc tctaaaattt aattggattg ggcttctacc aattcaatta aatttatttc 120
 ccaccataca catcaaatat tcaacttagtg cgtgtgaaat tacaaaacta cccctaatac 180
 aaaaactagt cttggtgccc taaaatacaa ggactgaaaa atcccatatt tctagggtag 240
 cctacctaca ttatggagcc ctaaatacaa ggacccaaat taatgaaacc ttaatctaata 300
 atgtacaaag ataagtgggc tcatacttag cccttgggccc cgaaatctat cctaagggtc 360
 atgagaaccc tagggccttc tcttgcattt ttggcccaat cttcttggaa tcttctatcc 420
 aatgcccttg cggggtagga ttgcatcact aatgtaccca accctagggg attttatgaa 480
 taagagccta agagaaacct accttttagcc caaactagaa aaactattat tgcattgcctt 540
 ccgaaattca tgcataagct aacatggtaa acacacgaaa aaatcgagtc aacgagagac 600
 acaactttg 609

<210> 3349
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 3349

catgcaagct tgctcatgcg tttggagctg aattcctgta tagaggcgcc ccacggattc 60
 gaatgcgacc ttggagacgg cgtcggagcg gtcgagcatg ttggagccga cgcgggccca 120
 ccaggcaaag acgcggtcga ggaggttgac gttgttttcg cagagggtaa cgagatcg 178

<210> 3350
 <211> 641
 <212> DNA
 <213> Glycine max

<400> 3350

aaaatttgaa ttaaaacgtt cagaaactgc tggtaatcga ttactatata tgtgtaatcg 60

attacacagt gcaaattttg aattcaaatt ttaatagctg ttgtaaatca attttggccc 120
 ctggtaatcg attacatcct ctggtaatcg attaccagag agtaaatttg ttgaaaaaga 180
 ctttttaact taaatttctt ggccaaactt tttgctactt caattggatt tcccttccta 240
 tttaatatac cttttctaag actctagaga ctgtcttgat catccatctt gaatatcttt 300
 aatttctttg tcttgaataa agctttgaga cgcattgtgaa actttggcat catcaaaaca 360
 ttcagcttga tcctttttct acataggaaa accttctttt cctgaggggtc aggtatgaaa 420
 tttattgctt caaacaaaag attctgctct tttgtcaaag tggtagacctc ttggatctca 480
 tcatctttcg aagatgatac ctgatcatct tgctagaatt tggttgctgg ttgacggtta 540
 tccagttttt tgtacttgaa aatcctttta agaacatatt tggctttttg aacttcttta 600
 tgggggggtga tttttttttt ctttggacag atgacaattt a 641

<210> 3351
 <211> 182
 <212> DNA
 <213> Glycine max

<400> 3351
 tgcaggcacg caagcttggg aggatgcttc aatggaggaa aagaatgagg gtgtagaaag 60
 aaagaggggg gagcacgaaa ttgaaggaat aaaagaggga gagaagtgga actttgaagt 120
 atgtctcaca agactctcaa tcatcaaagt tacaaccagt gttacacatg cttctattta 180
 ta 182

<210> 3352
 <211> 154
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3352
 agctttatta agcatatact tgagtttcnn ttctaaaca tattcttact tgagcgctcag 60
 agtcctttgt ttgaaagtc ccctctcttt caaaagtacc cctccaagcc aacgcgctaa 120
 gtttgggacc ccaactcaacc atgtccacct tgat 154

<210> 3353

<211> 1106
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3353

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gggctgacac gacgtngttg attgcatgca tcgncacacc ncntnaggta tcaaacttca 60
gcaccctact acacagaaat ctaggtaata cgagaccctc tttttttttt attacaaggt 120
tgagacggcg ggggtggttt gtgttgataa attaccaac cttcactcat atgcttgga 180
aatagactat tggatggatc tcacggcgtc ctttaagcgg gggggcactc ctgcaacatc 240
ttaccgggag tcaaataatg cgacttatac gcatgggtgc cgaagggtct tacatccata 300
tctaaacaac ttctcgtgt aaagatgacc tttcgacgct ccattattgt ctgttacgta 360
atattattca accactaacg ggaagccttc tcttgcgata tagtctacct gacgggcatc 420
tatgcgcatc tactgcaata cacatcctgc tattgggtctc acctacttcg ttctcataga 480
gaacacgcag agaagctcgg ggtgattgaa gtcccgtctc agaaagaggt tcacaacata 540
cttggtgcgg ccgtcgggtc actatccgta tcttctcgta tctcactaga aatcgacgta 600
cagactcggc gatatatcgt caccgcacta gcgtacgtat gtatgggact cttccaccgc 660
acgtaccttg ctagacataa tgggtgcgcg acctaggaag aacgtctgta aactggggac 720
tgctccgtga acgtaatata aaactattag acctgggttg cacatctatg atactcttcg 780
catgctggta actattggat acattgtcaa gtatactgtc atctgtctgt ctacatcgaa 840
gcctcatctc tctcatggga gtcgcaaaga tgctctcgcg taatcgtatc ttaccgcgcg 900
tatgcttctc gcttgcgaca ntaaacataa ctgtaacctc ggccgctcga gtcccgtgag 960
tatgganaac acgtcctgtc ttcttctga attctctntg attgttctcg ctgtgggtatc 1020
tacgtcaacg tcgaaatcgc gtatatactc caaacgttcc tctgctatat cacactagta 1080
atcgctatgt cttcctgttc tcttcg 1106

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<210> 3354
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 3354

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agcttcaggc tgctcaattg ctccagggtg tttcatggaa gggcaaaagt ctgtatggtg 60

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<211> 777
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3359

aaagcgcgtg gggaccccc caagatttta caaaatgaag cagtgttttt tttttttggt 60
 aaaggggcgt cagggggggg attaaggggg ggtttgatat taaaaccttc ccgattgtat 120
 tcaaattaga gatccggggt ttagttttac ccaagaacct atgagttctt ttaaggacga 180
 actcgttgtc tgcnnngggg gggggggngg tnggggnntt ntnggggtgg ggttgggggg 240
 gtggggtggn nggtgggggg tgggtggggg gggggtgggg ggggggnntg ggggtggggg 300
 gaggggnagg gggagttntt tnttgggggt gtgggggggt nntaggtggt ggggggggtg 360
 ggggggggtg ggggggggtga ggggttttgg gggntggggg gaagggtggg ggggggggatg 420
 ggggaagagg gggggggggg ggggngaagg gggggggggg tgggnntggg ggggtggggg 480
 gggggggggg gtgnnnnntt ggggtggggg ggggtnnngn gggggggggg gggggaaatg 540
 gggggggggg ggtgtgggtg gggggtaatg gggagagggg ggagtggggg gtggtggggg 600
 gaagaggggg agtgggggtg ggggggggtg gggggggggg gggnttgggg gtgggggggg 660
 ggggtgnttn tgggtggtg tggggggggg anantgagat tggggggggg gaggtggttg 720
 tgtggggaag aggggggggg gtgggnnnct gccggggggg tgggtggggg ggnagtg 777

<210> 3360
 <211> 643
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3360

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 aagagtaacg tcccactggt aaaactaact ttccaaatgt ttgccttcgc aggaatggcc 120
 ccgaggaagc ttgcctcaaa gaggtccagg aaggacaagg cggctgaagg aactagttcc 180
 gccccggagt acgacagtca ccgctttagg agcgttttac accagcagcg cttcgaagcc 240
 atcaagggat ggtcgtttct ccgggagcga cgcgtccagc tcagggacga cgagtatact 300
 gattttcagg aggaaatagg gcgccggcgg tgggcaccac tggttactcc tatggccaag 360

ttt gatccag aaatagtcct tgaattttat gccaatgctt ggccaacaga ggagggcgtg 420
 cgtgacatga gatcctgngt taggggtcag tggatcccg tcatgccga cgctatcagc 480
 cagctcctgg gatatccgat ggtgttgga gagggccagg aatgcgagta tggccagagg 540
 aggaaccggt ctgatggatt cgatgaggag gccatcgccc agctgctatg tatanccggg 600
 caggattttc ccggactgct gcatggaggc gagtgcgaat cat 643

<210> 3361
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 3361

atgcaagctt cagttttcaa ctacgagcgt ctcatatat tacgggactc tatcagatat 60
 ccgaattgaa aggttttggc atttgacttt tcatagagct tctgttttca atttcgagcg 120
 tctcatata ttaaagggt caatcagaca ttcgaattaa aagttattgt cgtttgat 178

<210> 3362
 <211> 524
 <212> DNA
 <213> Glycine max

<400> 3362

cttctactta tgtggcagg cggttcttct tcaacttctt gtcttcaacg cgaactttga 60
 ccattgttct tcttcccgc gatgcttctt ttcattgtcc cctgagtggg cttatagcct 120
 aaaccatact tcccacgatt tcttgggta tttatcaggc tagttatgcc gccgttgttt 180
 tttctaaac ccattcccggg ttcataaccg ttccccaaca taactcgggc catcattacc 240
 gctgcatcgg acagacaagg ctgccc aaag agggagtcca cggaggaaat gctgaccacc 300
 tcaaaagact ggaaagcagt ttctaacgat tcttctgcgg cttccacata aggcattggag 360
 gatgggcagc ttaccaagat atcttctcgc cctgacacga tgaccaagtg cccctccact 420
 acgaatttca gcttttggtg gagtgtagaa ggcacaactc cactgagtg gatccacggg 480
 cgccccaaca ggcagctgta ggggggggta atatccatta ttg 524

<210> 3363
 <211> 174
 <212> DNA

<213> Glycine max

<400> 3363

gcttcagaac tttactactg ctatTTTTTT tttcgatcgc taaacaaata tatttattaa 60
taaaagggca cgagaaattc atacaccata atttcagtgg gcgcacgcac accataaaca 120
taaaatgatg agtgtacgtt ttaattatca agcaaattat aatataatag taag 174

<210> 3364

<211> 610

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3364

ctttaaagct ctcttctatt aagctctcgc agccaaccaa agcttcaatt gtgacccaac 60
atggcacaac ttaacctcac attgctagcc attttctctt ctctcctctt ttcaattctg 120
gccaccccg gctagttgaac cgtcaaggca caagaattct caaacaatga cctggttgga 180
ttttaaggga tccttataaa atattaataa ccactatgaa cacattacat tatattatca 240
agaagagttt taggaatatc tgaatacata atgattgggc aaacaaacgc aacgaaattt 300
gaattttagt gtgatttctg atctatgtgt tttttttaag atctgttacg aaatattgta 360
gagataatga ataaccgact aacagcgtaa toggggactt catgattctt cctcaaccaa 420
atTTTTTTta tttctcttta gatgaggaaa agagaaacta tgtgtgtgac gaactcgtat 480
attggggacc ataacattct catagcgtgt taacataggt ttctcattat cccctaattg 540
ncaacactga catngttca gttaaacta tattatctaa tttatttggc taacaaactt 600
actttaattg 610

<210> 3365

<211> 179

<212> DNA

<213> Glycine max

<400> 3365

catgcaagct tctaaacttt atacaagaat gaagctctga taccacttgt tggacaagtg 60
gcctcagata tcttaagaag ggggggttga attaagatat aacagactat tccccaatta 120
aaaattctac ttttaattta acccaacaac ctatgattcc ttttaaacaa gaactccaa 179

<210> 3366
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 3366

gcttagtgaa gtggttgtga ggtttatttc cagcattcat ttcttgtatg cacactttca 60
 acataatctg agtattttta taacaccatt ctgctttctt tctttttaca agaacttgac 120
 cgagagacat ttgacaagct taacgaaaca aacgacagcg ttccaaggag gaagaaaatg 180
 tgaccaagga agaagaaaaa gaatgacgaa gaaaaaaacc tgtgatgcta acaaaggaag 240
 aacaaaaaat gacgaatgat gatcggaaga gatgaccaag gatgatcgga agagatgacc 300
 aaggagatcg gaagcatggg agaaaaattt cgaggaaggc acagcaacgg tcgtttctcac 360
 gaacgagaga caaatttagg gttcagaaaa atgacgaggg tttgcttgca ttttga 416

<210> 3367
 <211> 169
 <212> DNA
 <213> Glycine max

<400> 3367

gcttggttgg ctttaccaga tttatattat aaaaattaat tttatagggt tattgaaaat 60
 taatcatatt ttatttttta atttattttt tataactctt ttattagctt ctactatata 120
 tagagagaga gtaaattata ctagaatgag agttgaataa tatgttact 169

<210> 3368
 <211> 580
 <212> DNA
 <213> Glycine max

<400> 3368

taatgacctt gttcatgttc gttacaactt gaggttaciaa cttatgtatt actatattga 60
 ttatgctttg attgtttact tattttgctt ggattttttt ttattgatga tatataacca 120
 ttttgatcaa tttttctttg aaaacccttg atgaccattc taattgggtg gtggaggagt 180
 ctccaccatt cttaacttgt gaagaggtgg aggttttacg taatgatctt gctaacatgc 240
 ccatccaatc aacttttagac gatattaata tgtgtcttta taacattagt atttataagg 300

taccacttat gtacttatat taattgctaa tttgcâtcta caatgatgtt gccacagata 360
aattaaatct ggatgaagat gacgatgatg atgtgccaca accactacat cacactatgg 420
aagatgttaa tccaaatgaa agcaatattg gtgaagagcc tccttctttt gatggagaaa 480
gattacttga agttgactca atattggctc cttggatata attatggatg gtgtcatatt 540
taagctatctt gtgtctcttt atttatggac ttatgttatt 580

<210> 3369
<211> 179
<212> DNA
<213> Glycine max

<400> 3369

agcttatttg aaaagctttc ttgaagaagc ctagatctta tctacacaca cccctttaat 60
aactaagggc acctccttga gaagcttcct tgagaagatt cctagagaag ctagagctta 120
gctacacaca cctctctaata agctaggctc acctccttga gatgagaagc tagagctta 179

<210> 3370
<211> 599
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3370

taagctcttt ctttaagcttt ttctacaacc ttttctcccc ctttggtctt atttaaaagc 60
caaatatgac aatggagtaa aaaatatata taaatatcaa agtataaaac acaagaagcc 120
aaactcacia agaagaaata atcaaaccag aatccaaata actgaaaatg tcaacaacca 180
caaaacatcc aagactgaaa tttaaaacca caagataaat aagcaaagta cttagcataa 240
taatgtaaat tctaagaaac taaaagccaa aatacacggc ttataaaaga taaataatca 300
gaaactaaaa tctaagaaga cggaggtggt ggtggaagat cgaaactctg acgaatgtat 360
ccgacatcct cttcaatctg tgtaagacga atgtccatac tggcaaagcg tgaatctaac 420
gagtcgaaac ggtcaccaac ataagaacga agaccccgta attcggagag gacttcattc 480
atgagtgcgg aatcttcacg ttgaggggga ggtgaatgag tacgtccatc ttgaggaggg 540
agtgcattct tcttcagcca ttgtccattc cgatctttac tatagccaaa ggaggccac 599

<210> 3371
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 3371

agcttatact ctgcttcccc ttttctttaa catttgcttc ttgcactttc tggaaactct 60
 tcgaattttt tgaagcttca aatgcttttag cagtcgactt gtcaaacacg acgttacaac 120
 aaagacaaag cataacctct ttctcaactt tttgtttctt caatagaaat tc 172

<210> 3372
 <211> 533
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3372

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 actttgcatc cctagagtgt gcccccatct tgcgacaata catcttgaga tggttcttag 120
 gacaagtcgt ccctttatac ttgtcaaaat caagcacttt gaattttggg gggatgacaa 180
 catccggtac caagcaaaga tctgtcatgt ccacgaatgg atagtcacca aatccttcaa 240
 cagctctcaa tctctcctcg aggagatcga gtttccttct ttcttcggcc gcggggggtg 300
 gtccttctat ggacaagaat attggttggtg ctgtgaggtt gggctgaggc aacgtgttg 360
 gcaccggccc ctcgacgagg atcggagggt agaaatcgac atccncttg gcatactctc 420
 gatgatcttc atggaccgcg tttaggggag gatggtgcgc ggtagctagg atagatgggt 480
 ctgcttcggc accccaacta acagcggcag cgggtggcgt gttattctcc atg 533

<210> 3373
 <211> 167
 <212> DNA
 <213> Glycine max

<400> 3373

agcttatcaa cacttttata tataacaatt actggatttg gtttatgttg atgaaggtat 60
 atggtagcat atacttcaga tcatttttct tcaagtgagt ttgaaccca accgtaagaa 120
 aggcagtaag gcacatgttg tgagtctaga ccaactcaca gtatttt 167

<210> 3374
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 3374

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 cagtatatc tcgaaccttt tattgcaagg tgcctgtgac gaatcttata caaaatcatg 120
 atctctctct gaaattctgg aaggccttga cctgacctgt taagaattat tgattaaatt 180
 tattatttat tatattataa ccaggtaaga actaagatca ttattaatat atatatatat 240
 atatatatat agatatattg atatcttaaa gattggacga accataactc ccatatatga 300
 aatgataaga ggttggtgag ataaatggag attttaagat gtgtattaaa acattgtact 360
 aaaaaagaat aaccgaataa cagagtactc ggggacttta agattatttc tcatgcgaat 420
 tttttttatt tctctttta 439

<210> 3375
 <211> 175
 <212> DNA
 <213> Glycine max

<400> 3375

ggcatgcaag cttcttctca acaggatgat aaaacctata tttctattca ttctcaccat 60
 agccaatgaa gatacactgc cttgactttg catccaactt ggatctctta tcctttggaa 120
 catgcacaaa agccttgcag tcaaaaactc ttaagtgact atacttcaca ttctt 175

<210> 3376
 <211> 627
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3376

tgcattcgat agtggagctc atccaatgga gttattaatg ctaagaaaat tcaggtttta 60
 aagaaggagc tgaatgcttt ggaggctggt atctctgaca gaattctgaa tcaatttgaa 120
 gtggagctca agaagtctct tcaggagcaa ttgtggcatg ctgctaatgc ctatgaatgt 180

atgctgaagc aaaaggctat agtgaaatgg ttaaaggaag gggacagaaa ttcagcttac 240
 ttccacaagc tgataaatca tagaagaaga cataatgcta ttcaaggatt gatcattgat 300
 ggggaatggg ttcaggaccc tagtagagtc aaaactgagg ccttcaatca tttcaaagat 360
 agattttctg agcagaatth taatagacca accctggatg gtgtgcagct accttccctt 420
 ggtcaaagtg agaatgaagc ccttgtggcc agattttctg atgctgatac agtttggtta 480
 ccaaaagcca tcaagaatga taacaaagca gtaatttaaa ttaaattcat cttagctntt 540
 ctattttatg atcactctcg attgctggaa tggatgaagga aatgggcttc tttatacgag 600
 gaccctatac agctgcaatg tgacatc 627

<210> 3377
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 3377

agcttgaaga gtcgagactc gtattggttt aattgattac caatatctca taatcgatta 60
 cactgttatt tgatttattc aggagtctct actttaatcg attaccaagt ggtttaattg 120
 agtacttctc tcttatttag ctgtgcataa gtgaatagga acactttaat c 171

<210> 3378
 <211> 639
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3378

ttgaaatgga ggattggggg aattttctcc accgaatcct tgaggaggat tctaaggatt 60
 ccactccgat taagatgttc ctcttggtgt ggtgggttcgg cgaaaagcaa cggcggctca 120
 tggcgcccat tgggtggcgt ggggtggcaga gaagaagggtg ttaagggttg ggtggcgttt 180
 tggagaagag gagagtgaag aatcgtgttt ttcacgctga ggaacatatt tataatctgc 240
 aaatctcgct tagcgaggtc gtctcgctaa gcgggagtc acttttctca ctcaacgtgc 300
 aaattctcac ttagcgcaac ttcctctgca ttatgacttg cccaacaggc caattctcac 360
 tcaacgcaat tccctctcag gttggaattg cgcttagcgc acccttcacg cttagcgaga 420
 catcaaaagt tgttattttc aaaatcccaa tagtcagact gtgcaaaaag tgtctttgga 480

agctccagac aaaatttgaa gatgatccaa cgggtaacga ctctaggatc gcgattttac 540
 taanataggt tttgggtaaa atctgaaatc tcataatttc aacttagtta aacaaaactc 600
 cacataactc agcatccaca tcaagaaatc acacatgac 639

<210> 3379
 <211> 155
 <212> DNA
 <213> Glycine max

<400> 3379

agcttttatg actacaacca caacttgcgt tggacttgac cccagctaag acgattgacc 60
 accgtgtgaa tgccgtgcac cctgaacaca gcggcgtctt tgaaatacat tttatgttat 120
 catacatagc tgcattgaggc gagcatcata ccaac 155

<210> 3380
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 3380

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 tgaggacact cccgatggta gagatactgt cactgttatc agatacacac ggaaatgcct 120
 ctatgtgaaa atgctgatat atgccattct acgcttgggc atatatcaaa ccctgttttc 180
 agtcgtttga ctaataataa tggaacacaa atctctgcga aatgatcttc gtctaagaga 240
 tctatctgcc cactctctaa gattgggaga tcaaactttg ctaactctaa caatagatat 300
 gatatacctt ttgattgact ccattgcgat ctatggggtc tagtgccac cttacatatg 360
 aggggaataa tataactcctt aaaa 384

<210> 3381
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 3381

aaaaatccca aaaacaatcc tttttaattc taactaattt gaattcctta gttcctgaat 60
 gtacaaacct taaactggag cccgttcccc ccatttcttt ctacaaaaaa gaaaattaat 120

accgacaaaa acatggatga aaccctaagg atgccaagtt catgtggatt tctgaagaaa 180
taggatctat attccatcaa acatagaatg accattgatt acatgtaata tacttttttaa 240
aacatgggtg ccccaaata caactaaaaa gcacaactac cacatcttca gaggcctttg 300
gtaaatgggc t 311

<210> 3382
<211> 165
<212> DNA
<213> Glycine max

<400> 3382

agcttcaatt gtagttaccc attaaagtgg attgcttggg tagagcaatt ctttgacctg 60
caacatacaa aaacattggc aaacaagttc ttcaaagaga aaaaatagaa cttggcacaa 120
gaaggtctac caacaaggca actagtaaca acaggggggc ttcaa 165

<210> 3383
<211> 393
<212> DNA
<213> Glycine max

<400> 3383

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cgctttggag aacaagagag agaaaaatcg tgtttttacc cttgaggaac atatttataa 120
tcttgaaatc tcgcttaccg aggtcgtctt tctaaacggg agtccacttt tctcactcaa 180
cgtgcaaatt ctaacttaac gcaacctttc tctgcattat tacttgcca acaggccaat 240
tcttactcaa cgcaatttcc tttaagggtg gaaattgcgc ttaacgcacc cttcacgctt 300
agcgagacat caaaagggtg ttattttgaa aatccaata atcagactgt gcacaaagag 360
tcctttggaa gctccagaca aaatttgaag atg 393

<210> 3384
<211> 179
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3384

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 ctggggaaga agaattgtggc atttacttaa ggtgaaagat aagagcaagc ctttgctttg 120
 ataaaagaaa agcttactaa ggcacatggt cttagctcttc ctgaattttt taaaacttt 179

<210> 3385
 <211> 1081
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3385

cgccgtcata cactattaca ctgcgttaca atagcttatt aatacactct ctaatgtaag 60
 tactaaattt caaaatatat ggctattat ctatacccca ttaagatacc gccaatcaaa 120
 tacgctcact acgacgctaa tttcccttcg gaacatgcaa cagtcttaga aaataataaa 180
 aactcaaata agggaaaaag aggtaagttg gtctgaaatc taaaatatcg acgaaagggg 240
 cacagaggag ggtttcatac tatgaaatct ccgatatgag acgcatggg ttgtccgaag 300
 acacataaag cagaggggggt ctatattatt actatcgata agaaaacaat agtggaatga 360
 tggcccgcta tgagatcgac tagtgcagaa aaccactggg gtactagacc gaaggagccc 420
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 tgctgtgaac tataccaacg cacgaagaga tcgacgactc acgtaaccgc acatccacat 660
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 gtaatcgcta gacttgagat acatacgagt acatgactcg aggacatagg gcgaatctct 780
 taacttcgca tngtcgtcgt ctggatcgcg caatcgcggt tgatgcgaga ctacttcaga 840
 caatatatat ataccagta agaggcgtct cgcttcttcg cgctcactca tatgatatga 900
 tcagtangat agtgctgcga aagccacttg tgatcttcgc gactgggtact gcagtatata 960
 tcaattgacg ctcaccagtt tcgagaatat agctatatcg ngctctgcaca ctgcgatcac 1020
 tattgcagat catgacgttt tgataaggcg aaacgtctac gcgtatcacg tttcactcca 1080
 t 1081

<210> 3386
 <211> 1126
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3386

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tgtatcagac tttaacactc tccactacgc gaggganttt atgcatcctt tgctgacctt 120
acaatatagg ctaacaccct cggacaaact aacaagtcga taccaagcac tgttctaaca 180
tcgacctata gttacacgcc ggagaatata ctggccgact gtttaccgct ccgagactgt 240
gatattcctc gtcaataccc caactctaaa tcgcgcattg cagactcatt accccatttc 300
cgccgagact ggcagtaa at agcggcaaga atggaccaca ttccgatacg cgctctttga 360
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ttgtaccta ttacgcaatc ttgggtgtcg gatttgtaca gcaaagtgtc taagttgggt 480
gtcaactact gtagattcac aacttaggat cgtgtgtggc cgagactatc gcttaattct 540
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cccgttacag taatatagtt actctctaca acacctttat cagctcataa ctcttaata 660
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<210> 3387
 <211> 940
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3387

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acatacctta	ctattggcat	acactggctc	agagtgatac	ctgccaaact	gtattgttag	180
aaaatgtaca	aacacctatt	gcgactcgat	aatactctcc	atatcttttg	gcaagagcaa	240
taccaacata	atcttctcta	gtgtagatga	ttcgtcatga	gaatagtcaa	ggggtggcgt	300
actttacacc	tggtacgaga	agaactttat	gaggccggac	cacatttaat	ctgttcgacg	360
ttgagagtgt	cggaaaaagg	tgaacgacac	tttccatggg	ctatcaaccg	tatcttctta	420
gcgtccgaat	ttgtatgccc	ttagggttac	ttctaaggga	accacgactg	tattacgagg	480
aggggagtga	tgaccgggtca	tatcggcgtc	acttcgtctc	gatgggggttc	gtcatgaagg	540
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taacacttac	gggtaagccg	gaaggatggt	ctgtctccga	tctgtgattt	caatgacact	900
ggggtcgtgc	cacgatcttt	gccgatttag	tgccgtaacg			940

<210>	3388
<211>	1054
<212>	DNA
<213>	Glycine max

gcagtaccca agaccgcgaa accaagtaac tagccgacaa tacgccggag acccgaccac 420
 gccaggggac gggaacccac agcaggacag acgtacgcaa cctcgacggg caacaccagg 480
 accaaggcac acacagccca tgcacaccac gcccaacggc acacaccaa tgcacctgac 540
 ccacgacgaa gggggccgacg acccccacac gccaaagacac agccatagag acacaccaac 600
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 ggcccaaact acagcaccag gcaccccaac cggaaggaaa aacagcgcaa agaccgcgca 720
 accacaaact gcagcgcgaa ccagcgggaac acacaggcgg acacgcgccc acaccaccgg 780
 cgctggcacg gacccctacg aacccaaaca caaaccacg ccgcgcgcgc aagcagctcc 840
 agcaagagcc acacgcccac caccgcgccg aacaaccaac cacaggcacc cgcgacgcaa 900
 cccaaccacg cccaacaaaa cagcggccac ccaaccaagg aaacccccac tcccccccg 960
 gccaacgacc cccaccccaa cggcaccccc accaaaccac tacctaaca aataacacac 1020
 agcactcgac acacacgtcc accgccccca cccc 1054

<210> 3389
 <211> 1085
 <212> DNA
 <213> Glycine max
 <400> 3389

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 actgtcattt agcgcacccc taatccacat ccttcactca tctcaccgga cgtggtagca 180
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 ggaaacttct gtccaacaac gctttattgg gctgggtcaag gagaaaacca tccaatata 300
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 atctattctc aggacaagtg ggattatgtg taaccattta ggtcgtaaca catacccgcc 480
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ggtataatgg aaccaagggg tgaacctctc caagaagtgt gaacttctga tcattgattg 720
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 cctcccttta agggcctaga ccatctaccc acatgggttat accggtctta gaacaatgag 960
 ttgactctca ctgttatatc cacctacggg tacgataaaa acatactgtt taagcgaagt 1020
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 taaca 1085

<210> 3390
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 3390

tgccagctta aagaataatt aagaataatg gtagaatatc ttattttata ttccggaaat 60
 atattctaata caaaatacaa actgattaag taggctaaaa aaactgatat aatatcttat 120
 catatattct aataacttcg aaattacccc acaaaaatta ttacttcga aa 172

<210> 3391
 <211> 1422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3391

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 accgttcntn tcacactntc aactacccat ttataatant acataaantc tcancgcaan 120
 tcagctagaa cacngagtcg ggganentta attcgattgc ccttgtegcc tncaccgtct 180
 atgatattaa taaatacctt cgaagntcgc tctacgaat gaccaactat ctctgggact 240
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 gacacactac ctgcactaag tagggctactc atcggtactc ccgtgtctct cacacactcc 360
 tctcaccaca cgctattcat aaagaacgac gacacacgat aagaatgcga cgcacgacgg 420
 ctgtaacaat tggcgcatga gacggatcca tcgacgcaaa catcaggact gactgtcgt 480

aagaggagac gtccggcatg tcagaacttc acaagaccat tggctctgct gcgcatggcg 540
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gtcacatatc gacatgatcg ancgcgctac gcatgtggag tcagtgtact gcacgtcnc 1260
cagagacgac acctcgactg tacacgttga gtagcactga gtgcgacgac tgcgncntgn 1320
catgacacgt gtcatgtgng tgcacgcgta gcgaggaccg atcagagacg atgaagaggc 1380
ncacgtcgag caccgtgact anagacgcga tacgtcncgc gt 1422

<210> 3392
<211> 381
<212> DNA
<213> Glycine max

<400> 3392

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cgagaaacat cctgtgttac cacatgtatg acttggttga aacctaataa atattccttt 120
aaatattact accatataac tttggatgga ttattaaaaa atatggtcaa ctaagtctat 180
agatcttgaa ctgtatcaaa taatggattt caggtcttaa acacaagtgt gattaatcaa 240
aatctctaaa cattgtttcg ctaaaatttt agatcctgtg cttatttaca acattaaatc 300
atgatattga tgtgacactc aaactattat tattaaactt gggtacattt tgcagcggct 360
aaaaattgtc aaaaatttac t 381

<210> 3393
 <211> 170
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3393

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 cagagtggta cctggagata tgtcgcgggg gtcaggagac cttggggacg tcaggtgggg 120
 tgctattgcc caaaaccaag cttgaccaat cccgaaccaa cccgggcata 170

<210> 3394
 <211> 632
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3394

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 cttcaacagg cttcttttgg ttgggatgtg tgctctatca cacaagattg aatggtcact 120
 agcaaccata ttgtcaatca attccatggc ttcttcaggg gccttcaatt ttatttttcc 180
 cctgcagaag catctaaaag ctgcttggat tgtggcctta acccgtcaat gaaaatattg 240
 agcaggattg gttctaaaaa tccatgagta ggcgtctttc ttagtaaccc acaaaatctt 300
 tccaaagcct cactcaagga ctggtttgga aattgataaa aggatgagat ggcagctttt 360
 ccttcagcag tcttggactc taggaagtat ttcttcaaga atttttcaac cacttcatcc 420
 taagtcttaa gactgttacc tttaaataaa tggagccatc tttttgtctc tccaaacata 480
 gaaaatgaaa acaagctcaa tctaacagca tcttcaggca tgccaaccag tctaacagtg 540
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 aacaanatgt tctgaatcaa ctgaattaat ga 632

<210> 3395
 <211> 167
 <212> DNA
 <213> Glycine max
 <400> 3395

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 cctccattgg tggttcttca tttttcttca tgtatctctt cacatgtctt gttttgaata 120
 ttgttaacat gattttttttt aaaatttcca ccaattaaac ttgctat 167

<210> 3396
 <211> 1106
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3396

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 cgtacgtgnt ttgaatcgat gcatttaccg acactctata attctcanga cctgtcgtcg 180
 caccatccga cccgaacgtc cacactatgt gaccgacatg gtgtttggtg ttcttcccaa 240
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 cgttgtggag ggattggcca cacttgcca ttctagcgta ataagataga gtggtaggcg 660
 tetgetcacc cccctctct atggctttta gaggagacca taattcatca taaaacgcaa 720
 acttgaatga tctttttggt cttaatgtgg agtgggcaag aaacaatctc taaaaatctc 780
 atacaattcg gcaatctttt atctgtcgtg aaatttagac tctttttact acacttttga 840
 tcatgcttta gattattaat cctttggtca tatgtcgtca agtaggtagc aatactgctg 900
 gttgggatac atcttatcat atctaaattg agacctatca cctttattgg ggaggcaggg 960
 tgttttcgtg gtcttcacc ttcatctgtc tccacatat attaacactg gtgccgcat 1020
 ctgactctcg tataccactt tgtccacacc tactctctt gcattttcag acgactcgtg 1080
 attttcatct tattatgtca ttccca 1106

<210> 3397
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 3397

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 aatataactt gagtccacag atttttaccc accatgtgtt tgtggaaaaa tcgtatttct 120
 tcatcagtct cgggtgtatgg gaacttttgc tgggtaccaca agctcttgca tatataaaca 180
 ctatattgta tggatacagc aaagcttaat ccggtgcatt ataaaagtat ctatacgtac 240
 acatgggtcca agactaagat gacagtttat atttataaaa caccttataa gttcccgcta 300
 tgtgacctcc catgtgaac 319

<210> 3398
 <211> 525
 <212> DNA
 <213> Glycine max

<400> 3398

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 ggacatttta ctcaactatc tttgataact tttcttatcc cgaggatatg ataattggagc 120
 atctcaataa caaataataa tggcatatga aagacataag tgcattgcatt ctaataattt 180
 aataatttca tgttttaatt tgcattatga taattttgtg attagtaaaa tcagatacag 240
 ttgtaaactt tcacactctg actcatgagc accctcattc ccactattta attgatagat 300
 cccctctaac aaactgtcta taactatttg tcaattccct tctatcttaa atgagatggc 360
 tcatcgtctc cccccccccc cttcatgctc tagaagatac aaatttcaca taacacccaa 420
 cttaatgatc catcaattta aattgagtgg gaagacaaag ttacaaaatt cagaaatttg 480
 caatctttta cttgggtgaa gttgaactct ttacaaaact ctgac 525

<210> 3399
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 3399

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 ctaaggaata gtatatataa ctatgtaaat aagccagcaa gaagaatgaa aaattacctt 120
 tatctaattt ctcttctctt gtccatggag gccatggtcc tcgaaaccag tt 172

<210> 3400
 <211> 431
 <212> DNA
 <213> Glycine max
 <400> 3400

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 atcttaatag ttcttctaata gtatatacgc tgtttgatg gtctcacgtg attaccctgc 120
 ctgacatcat agactaaaaa caattttttt aatatattaa acaatttttt ttaatagtga 180
 ttcaacaaaa atcggatata tattatatac gtaaaagtta tttaagatta aaataaaaaac 240
 tatatatact tgcacattaa gtagtaaaaa tatatgagag ctgcacacta accaattaaa 300
 tttaatgtga gctgaataaa tttaaattta atgtgaaccg actaaattca aacaccctaa 360
 gcattatagg accgattttg tattttttat tttcttgggc aattaattta attttaatgt 420
 aacacttaac t 431

<210> 3401
 <211> 176
 <212> DNA
 <213> Glycine max
 <400> 3401

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 atttaattat ctttgggctt gtogaccacg atcaacaaag tactttcgac agctactata 120
 tgttgatttc accaacgctg ttatcggtat gctgcgacaa tccttcaata ccttat 176

<210> 3402
 <211> 546
 <212> DNA
 <213> Glycine max
 <400> 3402

ttcttatgtc ttaccattt ttctctaag gtagccaaac ttcgttgaag gatgaccttg 60

aagtcacgga gttcaattac agaattggata tggggcctaa ctcaggacag cgtgcttagt 480
gctgctacaa taaatTTTTT ccagagaaaa agtggcgctt agcgcatcat ctccgctaag 540
cccactgctt gaagtctaatt tctagtgaag atgttgggct taacgcgatg atgtgcactt 600
ag 602

<210> 3405
<211> 173
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3405

agctttanaa caagctaaac atgcaaacta aaatttgaat caaaaatata aacccaaatt 60
ataaaatggt ctaaaagcag gaaatgataa taaaagtgtt caaaagacag gaaaatagaa 120
tataaatcct gtcacgagtc ctatgatgct ttagatgggt catcatatgg agc 173

<210> 3406
<211> 601
<212> DNA
<213> Glycine max
<400> 3406

gctgaatatt ccaatgtaga atatcggttg tataaaaaaa atgtttttta acaatggaga 60
ggaagtattg aagtaacact aactaataaa tatttcttga gcaccattgc agatactccc 120
aagtcccacc atagatggtg gtcaatcttg ttgctttcta actagtctca aataacatca 180
ctcagtcaaa taatcaaagc aaaaatcaac tcataatctca tgcataataa tttttcactt 240
cacggtatag aattataaaa tctttttttt tcataagcta taaatcaaatt acttatatat 300
caattgaaaa tatctcataa ggtaaaatct aatccaacct ttaccataag ctttggttaa 360
gcaagccaga cacaaatata tacttggttt gtgctctgca ttattacaca ttattcctat 420
cggttggtta taacatagca ccacacatac acaccactca tatctcattg attaaactatc 480
aacactgcga ccatataata tcaactcaata tttcaggtga gtaactgagc tggtaattta 540
atatgaccac tgcataataa aagaaaaata aagcaatttt ccacatcata atagctagca 600
t 601

<210> 3407
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 3407

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 caaacttttc ggtcaagttt attaggtgac gagctaatat agctgcaaag agcttaacta 120
 aaacagttat tgcataatgtt agtcgggacct gttttaataca tatttcacat t 171

<210> 3408
 <211> 700
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3408

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 tatcacacag agtttgatga atttaaagtg gagttggaga ggcgtaattc acacaaacac 120
 ctactaattc ttttaggaagg aagcattgat gtggcgattg tcaaagaatt ttatgccaat 180
 ctgtacagcc ctaaggatca gtcacccaag caagcacgag taagaggaca tttgataagt 240
 attgatgcaa acagcctcaa tgattttctt cagacaccag ttgtgctaga ggatggggag 300
 accctaccca cctactctag attttgcagg ttgaggtcta atcctcaaga gatagaggct 360
 agactgtgta ttcctgcaa gggttttgtt ttgaacgccg aaggccaacc atggaagctc 420
 ctcaaaaagg acttgaccac attggcccag acatggagtg tcttatctta ctccaaccta 480
 gctccacat cctacacatc agacttaaac acagatagag ctagggtggt ttacaagctc 540
 ntaactcaca tggatatgaa cattggcgcc cttatcttag gtcaaatttc ttctattgct 600
 caantcaact cctgtaggct tgtgattcca gcattgaata ttgctctctg cagagctaga 660
 ggaggtactt atgatagggt gacctacgag agcctgagcc 700

<210> 3409
 <211> 151
 <212> DNA
 <213> Glycine max

<400> 3409

gcaagcttcc aataatcgat gcgaaagga ccccatatta agctttacta acttctagta 60
 atgggggggtc ctcatcggg gccagtaatc tatctaaacg aactactcta ctcaacatac 120
 acaaccatat attttgggcc taaacaaatt t 151

<210> 3410
 <211> 909
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3410

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 atcaaacgca cacacanaca acacaaacac acacnnnnnc cggggtgatg agtgcattggc 120
 aanccnttng nataaaaacc aacccatatg acaaggacaa aacagcaagc agaaatttaa 180
 ttttattacc accactgcac caaccggaag gggaaaggaa aaacagaaaa cacacagctc 240
 acgaagagga caaacgcaga agaaaccata taacagagac aaggacccaa ggtggaaaca 300
 caaagactac acacacgaga aggaaccgaa gaggaagata aagagacgac cccaaagcaa 360
 gaacacaaaa aaaaccgaca aaagaaaccc acacgaagaa ggaaaccag agacggaggg 420
 cgctaaccga acaacgggat cgaatgcgaa cagaagaata aaaaacacaa ggagggccga 480
 caagaatgca ggaacccaac gatcaaggga gacgggagag aaagtggcaa accgagggca 540
 aaagaacaaa ggaccgaacg accaacggag cggacgggaa cgcaaggggc acacgagaca 600
 gaagggacag cgacaagcaa acgcaaagaa caaagaaaaa tcacggcgcg aaaacaggac 660
 acgccccaaa caaacacgaa aaggccgaac cccaacggcc atcagatgca ccaacacaaa 720
 cacaaccaa agggcgccgg aaaaacacca cggaacaaaa aaacccaaac cggccaaccc 780
 caaaccacaa ccaccacagg caccacagga aaaaaacgca cgcagcgagc gagagaaaac 840
 cggaaaaccc caccaccaac agcagacca cacggacaag gagccaggac aagacagaaa 900
 cgaaccccc 909

<210> 3411
 <211> 527
 <212> DNA
 <213> Glycine max

<400> 3411

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cattcataga aaacaaaaaa aggtacatga accttacaat tccaccactt gtgtttcttc 120
cccccttcca atcctacatt ggatctcatg acaaccttga gacatcttac atgacattcg 180
caccatgttt cagaatataa tgcttcagct gtattcaaat ttcaaaagca taacttgtgg 240
attacctctt tgtaaacatc aattggaaga ggcaatctaa gatatgcaat ccagtcttta 300
gtaaatttta gcttcatctt tttggcaact ttggctgctg acaataccta tatatgtaaa 360
atgaaaatta agtagacagt aaaaaagaa aaactacaca aacaattaca agagtgttta 420
aatgagaagg gccttcaata tataaattca ttaaattgaa gataagaaaa ctactatgga 480
attggaaggc aagagttcct taataatgaa aaaacaaaaa aggagac 527

<210> 3412
<211> 385
<212> DNA
<213> Glycine max

<400> 3412

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aagttattgg cgtatgaatt ggcttaaagc ataaacattc aactttgagc ctctcggtat 120
attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat ttgctcagag 180
gttcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gtcttttgag ttggctcaga ggctcaacat tcaagttcga gcggcccgat 300
atattacgtt aatgaagcgg acatcacgct aaaaagttat tgccgattga attcgctccc 360
aagatcaaca ttacattttc gagcg 385

<210> 3413
<211> 166
<212> DNA
<213> Glycine max

<400> 3413

agcttataag aacaaaattg cctaaatcat ttccaaatat gcatgtgaat taggaagcat 60
caacaagaat caagccaagg ctattgggca agcaatcaat ggggcaaaac acaccaaaag 120
attatgatga tggatggctc aaattctcag aaaggtaaac ttatca 166

<210> 3414
 <211> 536
 <212> DNA
 <213> Glycine max

<400> 3414

tgtttgttag aaagacccaa cacttttacc tatggctgtt atctttaatt acttgcaatt 60
 ttactgtttt taacatagac tttagtttat ttttgtttta accattgatt attaatgttg 120
 ttcttacaat gccttacttc tgaataaaaac tctgtctaata aagcaagttc cctgagtttg 180
 atactcggat cactccgttt taattttaaa tacttaacga cctgatgcgc tttccgacga 240
 atcgaatttc ccttgaacat atttgttgaa gaaaaattgg acaaaaagta actctagggg 300
 aaatcccaac aaaaccaat cataaaagat atctatgagg aactcaata taaaatttat 360
 ggtcacacac agtcactaaa gcttatccat gacaccttct ttagtaggcc agacatttgc 420
 ataaaactcc atgactactt taggatcata tttagccatg ggctctgcca tctgcgtcca 480
 atgcctcctt gcaattttcg cctgaaatta tgtatactca ccctcagcta gctaga 536

<210> 3415
 <211> 651
 <212> DNA
 <213> Glycine max

<400> 3415

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 gggcatacat ttgaattagg gagctttgga caaatgttct taattcaaag cctgctacaa 180
 ctatatgtgc atggatgggc attccatgat ccaaagggtc atcaggagac aaaaagcac 240
 tgagaagatt aacaatagta atgtagtta caggcacacc ttcttctctc acaaattga 300
 aggcttcaat cgctgcatta ggttctttgt tatcagcatg tccacctatt agtgcattcc 360
 aagtcacttc atctctgtca ggcataatct tgcacaccct ttgtgcagca gccatggaac 420
 caaatttccc atacatggta accaatgcat tacctatgat caaattgtga tggagaccaa 480
 gaagaatcac aaaggcatga acaatcttta atgtttctaa atatacatgc agataatgca 540
 gtagtgaagg tacatagttt gtcggcttct ttgtttgaag catctcaatc aaaagttcta 600

agcacgtgga taatttccat tgtcacattg cttgccatat ggaattcatg a 651

<210> 3416
<211> 168
<212> DNA
<213> Glycine max

<400> 3416

agctttttaag tgaaaggagg cgactcttca cttttgaatt tgaatttcaa cggtaagg 60
cattggtaat cgattaccaa aacattgtaa tgcattacag ctttttgaaa aataattgga 120
acgttgtaaa ttcagtttga aaactttttt caaactcatt ttgctact 168

<210> 3417
<211> 662
<212> DNA
<213> Glycine max

<400> 3417

tcagcttctt aaacagaggc tgaaaatctg aagttacttt gttttatgtt attgtaaaac 60
agttacaagc ataataacta aatgcaatac agaatatga gaattgacga acccagttac 120
ttggaatagg taactgtttt taatatcaac agttacctat ttttatagtc caaaacagtt 180
atcaacagtt acctatttta atcctgcacg gtaaaataac taaatgcaat aacctatttt 240
aatatcaaca gttacctatt taaaatagtt acaagcataa tttgcaataa caggatatga 300
gaacttttag aaactgccaa tacgaggcaa gtgaatagtt tataaacagt ctggaagcat 360
tcaacaatta agcgaataaa atagaaaaga gagcaagcaa cccagttcct taaatccatt 420
tggtgtaaaaa cattatctat acttaagcat tacttgctca agaaacaaaa aatatgttaa 480
aacaacaata gtgaagcccc ctctgttggc cagtaaaatg ttatagcaat tgcaggaaat 540
ttcaacaacc ctgtggatct gtgtacagac atcatgggtg attctcttgt atagtgcaga 600
cagaataaca cgttactata aatcatgcaa cattacttat tactaccag aaaaataaaa 660
ta 662

<210> 3418
<211> 176
<212> DNA
<213> Glycine max

<400> 3418

agcttgtagg gttaaagtct cactgattgtc acgtgctcat gcaacaattg gtagccgagg 60
ctatatgaga catcttgcca aacaaagtca gggtcacgat aactcgcttg tgctttttct 120
tccatgctat atgtagcaaa gtgaattgaa tccagtaatg tttgatgagt tggaaa 176

<210> 3419

<211> 330

<212> DNA

<213> Glycine max

<400> 3419

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tgagagaatga atatagagaa gatactccac ttctatgaga aaatgaattt agaaaaagct 120
taccaccata ggaggtcttg gataagagcc tgtaggaaga acatgactga acggagaggg 180
agagaatagc acgaaatttt gtgctctaaa agagctctaa aatctgaagt cttattttca 240
aatgatcaaa gttggaaaaa atgaacacac cttaccttta tttattagcc tgactgtttc 300
acacaactgg agggaaattt taattttaat 330

<210> 3420

<211> 178

<212> DNA

<213> Glycine max

<400> 3420

agcttatcaa cttctgccag tggatacaaa tatttaagta tccacaatca taaaaatata 60
accaggcaga gcactagcct aatctgggtt tcgcagatac caacaactta attcaaagaa 120
caagcatcta taattggact cgaaccatcc aattacatac atttaaagga tttttaac 178

<210> 3421

<211> 655

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3421

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attcctttac acnctagcca cagggggggg gctttgaaga taactcccc gaaaaacctg 120
agagatgagg gacaggaggc gaaagtaagc aagtccgcac cgaggacgac aaaccgaagg 180
tccagagggtg agaggggaccc atcgtgcatg aaaaacctgc acataagcga tggaaagagg 240
tgggcgacaa atgaaggcat ttacaacaca aaaacacaga aaagaagggc actcgtaaata 300
atgaggggaaa aagccactcc gatcaacaaa attgacgatt ggcgggtagt accacccgag 360
cacctacggt tgctcactca ggggagagta gcttcgccat ctcaataagc gcgggatgac 420
ggctcctgcg gaacgaaaac aactaccag ggtgcggaga cccatttgca gccaaagggtg 480
attccctaac ggacgaacgg ggacatgcaa aaggggggaa acaccgaggg caccgatata 540
ctgggtaaca gacgagcttg ggacacaaca aaaaagatcc tctaaagaag tagccgaact 600
cgataaatag gcgacgagc atcgggatcg gtggtacctg ctaagtattt cacgc 655

<210> 3422
<211> 171
<212> DNA
<213> Glycine max

<400> 3422

agcttaatta acatcctatt ctgtgttgca actttttgaa ttggttcgtc tcccacctac 60
gccggggtac ttttctagac cattaattcg aaccacaaaa atgggtgaac aagttgataa 120
aaaagaaatg gttgaacaat ttacacaaca ttaatatgtt cgttgaaaat t 171

<210> 3423
<211> 631
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3423

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ctcttaagtc ttgaattggt cttgattcct tcttgaacat cttgaactca tcttttgatt 120
gacttttgag ctttttggtt tcacctttgt catcatcttt tggtatcggt attgttatca 180
tcaaaacacc tttgattcac catgaagctt tgcttctaca atctccccct ttttgatgat 240
gacaacttct gaaatcaaga aacacacaca cactttttcc tagtcgatca ctcacataaa 300
ttctccccct ttgtttttga atttatgctt atcttaaaat taagttgatt actcatgtga 360

attcttgatt taatcccatt tctctcccc tttggcatca acaaaaaagc caaagtgcgt 420
atcaaactta aagtatacaa atataactta cacatccata caatattcat ggaaaaatat 480
caaccaaadc atgaagcaag aagcaagaac catgaagcaa ccatcatgaa tagattaatt 540
ataatatcca catagtcaaa taacataactt aatatttggtt caaacataacc atgcaaanta 600
aagaaatagt aaattgggtca aatatcataa t 631

<210> 3424
<211> 95
<212> DNA
<213> Glycine max

<400> 3424

agagaaagat tccatggagg aagaatttgc cttagagaca cagagagaga gagagagcac 60
cagagagatg agggagccta ggaattgaag gggat 95

<210> 3425
<211> 429
<212> DNA
<213> Glycine max

<400> 3425

tcatgatgat gaatcaagta tgattcaagt agttttgatg attacataaa gcccaaaaga 60
atgatgtcaa gattgagtca aaaagttcaa gaaatcaaga agattcaaga ttcaagagaa 120
gttgatttca agattcaaga aaagacatca agaagaatca tgattcaaga gaagatgaat 180
tcacaaggga agtattgaaa cggatttttc aataaccaaa catagcatag ttttgtttta 240
caaaaagagt tttctcaaaa ttttctaagt taccagagta tttactctct ggtaattgat 300
tatcagtttc ctgtaatcga ttaccagtga taaagtttga tttcaaaagc ttttaactaa 360
atttgcaacg ttccaaaagt tttttaaatg gtgtaatcga ttacaatata ttgtgtatcg 420
attaccagc 429

<210> 3426
<211> 417
<212> DNA
<213> Glycine max

<400> 3426

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acaggcttat	cttggacggc	atgtgtgctc	tatctcacct	gaaaaatagc	tttcctcaca	120
tcgtcgacac	acagtgcgtg	agtgactatg	ttagtgtcga	ccatgttctc	gtgaatctgg	180
cgcacttggc	actgtgttat	gcgtttgtgc	gcttaccccc	ttgatggata	tggtccaact	240
gtaagcgaat	cacaactcga	tcttatgctg	acaacaatac	aaaccttgct	gacgttggtc	300
tgaactttat	gcttgaaggg	cctggtgagc	gtctttacta	tcatgttgag	gattgctctt	360
ggccctaatt	ccactgctag	tagccttatt	taaagaattt	tatatccttc	tctatttc	417

<400> 3427

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<210>      3428
<211>      676
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      3428
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 tntgccagct catcatcttt cattccccctt ccatgggttc tcttgtaaac tctccacacc 600
 tggggcgat aattctctc acgcccactt catatctttg ttctataagc agcagtttaa 660
 ttgacagaaa ccaaaa 676

<210> 3429
 <211> 870
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3429

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 atatggagag gaaaaagatt ggganagggg aaggggaaat gggagaggtg ggagataaaa 180
 aggagaaaaa gggaaagagg gagttagcta gnnnnnnagg aggggagagg gagggggagg 240
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<210> 3430
 <211> 316
 <212> DNA
 <213> Glycine max
 <400> 3430

tttataagca catttcttat ttattgcgtc gagactatgc tgggtgtttt gttctgcgtt 60
 ttacagactg gtttagacat aatcctatac actatTTTTT actgtgacca ttttctgtca 120
 ccccttctct gtcaaacgta attggggcgac tctttgtgga tgatcattct atcctgtccg 180
 ggctcaacat acaaattaga ctgtgacttt atatattgtt aaacgcaaag gtctaaacat 240
 ggctcagtct atatatagcg ttagtgcgac ataatgctc atcacacgaa acgaatgaac 300
 cctcactttc tctttc 316

<210> 3431
 <211> 169
 <212> DNA
 <213> Glycine max

<400> 3431

agcttttctt ctggttggtc tgctgggggtt tcctatgtta gagagaagga gaagatatta 60
 gagcctcaat ttcaatgtct ctgtgcgagg ggcatacttc tctttacaga tattattttg 120
 caaatcccaa cgataggaat gcgccaaaat aagttccaaa agtggtatc 169

<210> 3432
 <211> 188
 <212> DNA
 <213> Glycine max

<400> 3432

tgtagccaaa tggacttacc ttgaattaat tcctttttat ttcttctttg agcctatgtt 60
 cccctttctt tggcttgaag ctctattaca gctcaagtg aaaaaccatg atatcacctt 120
 acccttaagg aattttggag ctttgggaatt gttttgggaa taactgtgtg tgtggggggg 180
 ggggacct 188

<210> 3433
 <211> 513
 <212> DNA
 <213> Glycine max

<400> 3433

ttgatgatgt ggtcttcacc gatgaaagga tcaaagtatg tcttataaga ggcaaactctg 60
 atcatcatgc tttgatacat gccaaaaaaa actagggcaa atgaagaggg tgagaatgag 120

ggagaagccc atgctgtggc tgccattcct atacagccat gtttcccacc aaccaacaa 180
 tgtcattact cagccaataa caaaccttct ccttaccac cgcctagtta tccacaaagg 240
 tcatccctaa atcaaccaca aagtctgtct accgcacttc caatgacgaa caccaccttt 300
 agcacaaacc taaaacacca accaagaaat gaattttgca gcaagaaagc cttataattc 360
 accccaattc cagtgtccca tgcttacttg ctcccatatc tacttgataa ttcaatggta 420
 gccataaacc tagccaaagt tcatcaacct ccatttctct gagaatacga ctgcaacgca 480
 acttggtgctt tgcacggaga agtactgggg cgt 513

<210> 3434
 <211> 163
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3434

agcttagtaa gccttggttt gaagggacgt gctagaatat aagaaaatat caaaagtatc 60
 ttatcatatc ttagattatc cgctaggatt agnttcctta tttcttcatt atctcttact 120
 attagttccc atgtttcctt atcttttcat gatttggttc ctt 163

<210> 3435
 <211> 490
 <212> DNA
 <213> Glycine max
 <400> 3435

tgcttagtcc ttatgaaaag gaagaagctt gaaacctatc ctatcattga aatacaactc 60
 caccatatga aagttttag gtagcacttc ctcccatgc acatggacat ttcattgcagc 120
 tgatttgagg gccttggttt cattgcattg gaatcataaa ccaaggctgc aagaaggcca 180
 tagagacatg aacctaaagg aatgttagtg atgaggatat tgtggttcac accaactg 240
 tttgggcca atagctctga ggtaatagac actgctgcag aaaacacaaa gcctgaactc 300
 agccctatca aggcagtgc tatgtgtaat gcagctccac tgccagatat ggccagcaaa 360
 atgaatgcaa ttggtgtag caccaagcct gctccaaacc atccagctct tgcaatgtgt 420
 atcttctgc attgtcatc aacattagat gaatttacgt gcaatgttgg tttcgtgaca 480

<210> 3436
 <211> 1516
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3436

ggctcttggt gcgcccgcgc gcgnccctctg nntctanctc actctctctt ttgtgctacg 60
 tgcnctccat caccctgtgtt cgttttttat tttctttatc tctgtgtgct ccccggggag 120
 ccgcattctc tcgtctcgcg cggaggtgcg gttcgtgttg cgacgtcttg ntganacata 180
 tantccactt cctccctctc tctctcctct caccgggggtg tgtttgccgt ggtgtgtcgc 240
 atcctcgccc ttcctccact acggcgcgcg tcttcttgtc ttctcgtgcg tggctctcgc 300
 tgtgtcttct ctctcgcgc gcgntgtgtc tagctccgt tctctcttct tactctgtac 360
 tgcttcacct cgnnnnnnnn ngntnnnnnn nntnctnng nctgtcgcgn tcgccgcgtc 420
 gntgcgcgcg ncgctgcgcg cgcgnnnnct cgggcctgcg ccgcgcgggg ccnnnnnntt 480
 cctgcgcgcg gnnncggcgg cgcggcgcgg ctgcgggtgc tgntcgcgnc tgcgcgntcg 540
 cgcgcgnnnc gncggcgtct cctgcgctgc gccgnccctn cgcgcgcgcn nnnnccggcg 600
 tcgntgcggc gcgccgcgcg gtgcgcgcgc cgcgncgcgn tccnncgcgc cggccgcgcg 660
 ctgctgnnnn nctcgcgcgc gcccgncgcg ggcggncgnc gcgcgcggcg cgcgcgtcgt 720
 gnnccgctcg cgcgcgcgcg gccggnctg gncgcgcgcg ggccgcgcgc gcgnnnnccg 780
 ggcggcgccg cgcgcgcgcg cgctctccgc ggcgncgtgg tctnctgnc gcgtgctgcg 840
 nnnntgtgtg tgccgcgcgc gcgcgcgtgg cgcgncgcnc ncgncncnc gcgcggcgcg 900
 cgcgcgcgcg gncggcgtnc tgttnccgcg tggttgcgcg gcggnccncg nncgcgcggc 960
 gcgcggggcg gcgcgcccgc gccgccgcgc cgtccgcgcg cgtggcggc gcgcgcgcgc 1020
 gcggcgcggc gcgncgnc gccgcgcgc gtgntgggcg nntgcgcgcg tctggggcg 1080
 gctcggcgcg cgcgnnnccg cgcgcggnt tcttctggtc ggccgcgcgc tgctcgtgg 1140
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 cgtgcgcgcg gttgtcgcgc ccgtgcttcg gcgncgtgtc gctgccgcct tctnnncgcg 1260
 cgcggcgcg gcgcgcgcgc cgctgtttt ntntnnnctc cgcgtgtgcg ccgcgcgcgc 1320

cgcgnnnnncg cgcgcgcggc gcgcgngng gcggcgccgc cgcgcggcgc gtgcgncctgn 1380
 nnnccgcggt gccgcgcgcg cgcgcgcgcg cggcggcgcg cgcgnnccctc ncggcgccgc 1440
 gtcgnnccgnc gnnncgnccc gtcgtccgtg cgcgctgtcg tgcttcttcg ccgtgcgctg 1500
 tctgtgcgnc gnnnnn 1516

<210> 3437
 <211> 568
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3437

cttgatacta agctagacga ctttgttgag tcgataatac tttattattt atttggacaa 60
 gtttgaatat gaagganaag aaaatgaatg tgagcctttt tcccctttga aagactttgt 120
 taaaaaaatg tttaaaaata cttttaatta atatttgaat ttttttttat tcttagtata 180
 tatgtgaggg gtagaagggtg tcacaccata tgtatatttc tctttgttta tatgcttttt 240
 tgatcaaaat gaaatggttt tatgtaggag ttttagtggg gtttttttta cgatggagtc 300
 ttagtgtttc ggattaattg aagaggatgg tactattgta acatcttatt tttcataaat 360
 aagttaaaaa ggtttttag taaaaaaaaa taaagtttta taaaatagtg agatttatc 420
 atttgataag acataaaata gagtcttttt attaaataat aaaaataaat aaatagagta 480
 aataatagtt tatgagtacc ctatctataa atagcatctt aggttcagtt tcagactgac 540
 gatactctct acacctnctc tttctctc 568

<210> 3438
 <211> 408
 <212> DNA
 <213> Glycine max
 <400> 3438

tcataattca atttcgatca tctcgatata ttacgggact ttatcataca tctgagtaaa 60
 aaagtatatg gcgattgttt ttgctgagag cttcaacatt caatttcgag cgtctccatg 120
 tattacggga ctcaatcaga catccgaata aaatgtttgt ctttcgaatt agctctcagt 180
 gtcagaattc aatttttagc gtctcaatag attatgggac tcaattagac atccaagcac 240

aaagttatcg tcgtttgaat ttgctgagag cttcaacatt caatttcgag cggctcgatg 300
 tattactgga ctcaatcaga catgcgagta aaaagttatt gtcattcgaa ttaactctca 360
 tcttcagaat tcaatttcga gcgctttaat agattatggg actcaatc 408

<210> 3439
 <211> 102
 <212> DNA
 <213> Glycine max

<400> 3439

atctttaatt aatcattcct agaattgatc ttatcctttg acttaaattg atagatacgg 60
 aatcattagg gcattgactt acagcaaaga acatcttatg ac 102

<210> 3440
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 3440

gcataatatt ataataatca cttccaaaaa ttgacaaaca taatttaaaa gaaatataat 60
 aataaccata atattaatta acaatcataa ttgttttatt acaatagaaa ttatccaaaa 120
 taaacattct atcaatttac ctaagtaaac attgtatcag tgtaccaatc attacaaatt 180
 tatccaaatt ataataatta gtcataatct actataaata aaagataaac atatatcata 240
 taccaagagt gtccgaccgc caaaattcga agaagtgaag tatgagttaa catattttta 300
 tataatattt agcatattgt tattataaat aattaaaaaa aaactaaata tcatgtcaac 360
 aaat 365

<210> 3441
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3441

agcttganat tgaacaacag aagctctcga gaaattcaaa tggtcataac ttatcacacc 60
 gaagtccgat tcaggcgcat aatataccga gacgctcgaa attgaacaac ggaagctctc 120
 gagaaattca aatggtcata actgatcaca cgaaagtccg attccggcag atagtatacc 180

aatcgaacct ccgtgtgata agttatgacc atttgaattt ctcgagagct ctccgtggtc 360
aatttcgagc atctcggtat attatgcgcc tgaatcagac ttccgtgtga caagttatga 420
caattagaat ttctcgagag cttccgttgt tcaatt 456

<210> 3444
<211> 145
<212> DNA
<213> Glycine max

<400> 3444

ttaatcattc ctacaataga tcttatcctt cgacttaaat tgatagatac gtaatcatta 60
tggcattgac ttaatgcaaa gaacatctta tgacctgat aatagacttt agttaatttt 120
gggaattaga aattaatatg gaaag 145

<210> 3445
<211> 211
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3445

agcttgacaa ggggggtcatg gggagtcatt ntctctatat ctttctttca ttcacaaata 60
attaataagg ttaattaaat ttttaatccc ttaaattttt tagcctccaa tttttaatct 120
cttaaatttt ttttataaat ttttaatcttt cattaatttt tttatcactt tacttcttct 180
acattatttt atctattttt aattcctcat t 211

<210> 3446
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3446

agcttgacac attgcttaac cacctaaaag gcaaaagcaa accaagctta actatcaaga 60
gtagaagcta cacacgatgc ttaaccactc aagacagcag caaaccaata acagtgtcta 120
accaccatat aggtagaagc aacatagctt aaccatcgag agtagaagct aaacatgggtg 180
cttaaccact aagacagaag caaaacaata tttgaatgct taaccaccat anaggcagag 240

gcaacacacc aatgcttaac caaaggcaga aatttgacat caatacttaa ccaccatgga 300
 cagaagcaaa tgactgtttt ttttataaaa aaaaataaac acctaaaacc tcttgatgaa 360
 tggaggggac agcaatagta aacagagaat atatatacag cagaggcaac acaccaatgc 420
 ttaaccatcc atggcagaaa tctgacatca atg 453

<210> 3447
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3447

agctttntat tctaaccttg aaattcaaga aagtaccttg atttctgagg tctttgggat 60
 aaagatggtc attgaccaat ccctcttcta tgatttgacc caattgtcta gtgacgggtg 120
 accatttgaa gttgcactgg atgatgattg gaagtttgat tttttgtgc atgatgccca 180
 ccggttgggt tgcaccaacc aagcgaatag gaccagaagg ttgcttgccg attcattggc 240
 tcttgaaagc ggtatcctcc attatctaatt tgtccgaatc ttactcccca gatctttaa 300
 ccttgcatgg gtttctgaag aagatctaatt agttatatgg gcctttcata ccggccgaca 360
 aattgattgg gtacatctag tccgatatcg catgcataag gcattgcat taaatgctcc 420
 tttgccttat cctcacttag ttacc 445

<210> 3448
 <211> 153
 <212> DNA
 <213> Glycine max
 <400> 3448

agcttttcag aagggtaaaa ggctcacatt cactttcttc tacatcatat tcaaacttgt 60
 ccaaataaat aataaagtca tctcgactca aagaaagaca tataagtctc atacaactaa 120
 tatagaacct atatgctaatt gtcacatcct atc 153

<210> 3449
 <211> 133
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 3449

agctttttgta aacccatatc atttttagtag acgcctatgc natattttct tttgtgcaag 60
aacaataccc tctgtgagna tcgggcaacc ttccaagcca agaaaaatat tgaagcgcgc 120
ctaaatcttt gat 133

<210> 3450

<211> 447

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3450

agctttccac attgaattca gcacctaattg tcatattaga tggaaattgt gtatcttaac 60
ataagagatt tcagatggac tttaatccta atcccacagc cgaccttttc acgagatctc 120
tacttaaccc tttgggttaa tgatcagcca aattatgctg agttctcaca aactccactg 180
atatcacacc atgcatgatt aactcccgaa ccatgttggtg tctaacaccc aagtgtctag 240
acttcccatt atacacttga ctatatgcct tagccaaagt taatatgggg gaaccttatt 300
cctttttag tagaattcagtt caacaagtaa caggctgtca acatagcctc accccanaat 360
ccttcactta naccgaata ggataacatg gaattcacca tttctttcaa ggttttattc 420
ttcctttcag ctacaccatt ctgggtt 447

<210> 3451

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3451

agcttgtcac tatgtattnt attngagtac ctttcagaga cttattgaaa atatctgcta 60
cgcaatcatt tgaattggag gagtggtaat gacttcagat taaatcttct ctctaataa 120
ataacaatca atggcccact aaactgttaa aaccataatg ctaaataat caaaccaaac 180
cctacgggat tgtatataga tatgacaaac tagtccaata gactcccctt gagcaacaaa 240
tcaagtaagt ttctccatat aaacctcatt gtcaagatca ccaaagagaa aagcattctt 300
ggatcatgaa tatctagntg gagtaacagc catggacaaa aacaagcaaa ctgaagccat 360

tttctccact ggcaaggtgt ccccttaatc taattcaaaa acctatagat tcccttgggc 420
tattacacaa gccttaagac aatcaagtcg accattgg 458

<210> 3452
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3452

agctntgagg attntcaaac gacaataact ttttactcgg atgtctgatt aagtcccgtg 60
atatatcgag acgctctaaa ttgaatgttg aagctctgac caaattcaaa cgacgataaa 120
tttttactcg gatgtctgat tgagtcctgt aatatatcga gacgctcgaa attaaatgtt 180
gaagctctaa gcaaattcaa acgacaataa ctttttaact ggatgtgtga ttaagtcccg 240
taatacatcg agacgctcga aattgaatgt tgaagctctc agcatattca aacgacaata 300
actctttact cggatgtctg attagagtcc gtaatacatc gagactctcg aaattgaatg 360
ttgaagctct gaccaaattc aaacgacgat aactttttac tcggatgtct gaatgaagtc 420
cgtaatacat cgaga 435

<210> 3453
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3453

agcttccttt acacaaagag aagagnaanaa tgaaggattg aagaaatata agtagtgggg 60
atgtctcatc cacctctagg acctcacaac cactcacaaa ctcatctcaa gctctcggga 120
cgacttcctc ttcaagctcc attctttgca ggtctttgca caaaaaaatc tctcaaaact 180
ctatggattc agacacttct ctctcttgaa tctctcacat gcagaagctc ctcgagaaaa 240
tggccaaaat ccctggaact tggacctttc tctctagaaa tctctaaaca tgcagaagct 300
tcgagaattg cccaaactcc tctccaaaat ctaatttcag gcttaaataag gtggctntgt 360
ttgtgctagc gcgcttagcg tgactatgga ctgctcagca tgcataaacc aaaagaagaa 420
gacaagcaag aaaccaaaaag atgaaacana agctaaac 458

<210> 3454
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3454

agcttctcaa ggaggtgagc ttagttatta gaggggtgtg tgtatctaag ctctagcttc 60
 tcaaggaagc ttctcaaaga agcttctcaa ggaagtttct caagaaagct tctcaaggaa 120
 gcttctcaag gaagtttctc aaggaagcta cctaggctat aaatagaagc atgtgtaaca 180
 cttgttgtaa ctttgatcat ttgagaatta cacttcanag ttcagtacaa ttctgatatg 240
 gctccagatt gaatgtagct acagaacttg tgcaagaagg atcatgagtc gttcaaagaa 300
 tacaccaga ggtggaggga cctggaagct caagtagtgc cccaatgac ggagaaggag 360
 atgataaaaa tgatagtaca cacattacca gtgttctact atgagaagtt ggtgggttac 420
 acgccttcaa gc 432

<210> 3455
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3455

agcttctact tatgtggcag ggcgggctta cttcaccttc ttgtctcaa cgcgaacttt 60
 gaccattgtt cttccttccc gcgatgcttc ttttcatgtc tgcctgagtg ggcttatagc 120
 ctaaaccata cttccacga ttaccttggg tatttatcag tctagttatg ccgccgctgt 180
 tttttcctaa acccatcccg ggctcataac cgttcccaa cataactcgg gccatcatta 240
 ccgctgcac ggacagacta ngctgccccaa agagggagtc cacggaggaa atgctgacca 300
 cctcataaga ctggaaagca gtttctaacg attcttctgc ggcttcaca taaggcatgg 360
 aggatgggca gcttaccaag atatcttctt cgcttgacac aatgaccaag tgcccttcta 420
 ctacgaattt cagcttttgg tggagcgg 448

<210> 3456
 <211> 442
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3456

agctnttaac catgctgctn ggaatctaata cactgaatca atcatgtcac tgagactcgg 60

aacataaatg aacttctccc ttgctatcat tctttttctc tattttttct ctctctctag 120

ctgccttgct atgttatata tctatcttca tatacaaagtg atactctctt tttacttcat 180

ggtgaataat taacctacct aggtctacaa tgacggactg acacttccaa gagaagagtt 240

tgaatccaga gaatatcatc tgtggcagcg actaaacttc tatatttagc tgcagggggcc 300

acttctatat cagttgtggc tttgtatcta ttgatactgc catcagaatt actaatgatc 360

aagcacacca gagaaaagat gttatttcat atacatagac ctaaacattg atctactaac 420

ccgtgtgctt aaggaccata ta 442

<210> 3457

<211> 447

<212> DNA

<213> Glycine max

<400> 3457

agcttgatg atagagggtt gcggttataa acatattagg gtgatagatt ggtggataaa 60

gcagcctgga cccaagaatt tgcgcacttt tgtctatctg atttaagttt tagttcctct 120

tctggatgc ttctttcatt atctggagaa gaatcatctg gaatggattt agatagcgag 180

tcaacaatca tccgcgcact atttatgcta gcatgaagag ttaggaactg ctctactgca 240

ggctgtgggt tttgttctt atcagaatta cttagctctg catatacact gccaaaaaca 300

tcacaaaata agagtcagaa acaatctggt atgctgtatt gcaggagggt gacacaatat 360

aatgcctacc atcccataga agaattgtgg aagacgtgga tgattaacat aatatatgcg 420

taaacccag tctgtctgta tgattga 447

<210> 3458

<211> 381

<212> DNA

<213> Glycine max

<400> 3458

ttgattgtac ttccactttg acaagtggtc aacacaacag accgctccgt attattttgc 60

ccctcttcta gaacaataat tgtgtcaccg tgtcaactat ctaatctata aacctcacat 120
 agtggggaga gctgaaacca ccctatcttt attctatttt aaaaatgata taacaatcta 180
 attcctaacc ctctttcttt tctacacacc acagtgtatc ttcccccttac ccccatgcc 240
 caccacctgc gccgagacac cctctacatg cctccatgac acctcttttc catcatttgt 300
 tcacatacac aaacatacat gatccccctc atcttaactt gtcccaagat atactaacca 360
 tttaaaaaac tgcgggaaaa c 381

<210> 3459
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3459

agcttcttag cattgccaac aaagtaagat tgcttggttc tgaattntcc aatttaagaa 60
 tagttgaaaa aatactggtg actgtccctg aaagatttga ggctactatt acagccttgg 120
 agaatactaa ggatctgtca aaacttacct tggcagaact tgtaaagtct ttgcaatccc 180
 aagagcaaag aagaagaatg agggctgatg attctgtgga aggagtattg caagctaaat 240
 tgcaaattaa ccaaggagag aaaagcaagt ggaagaaata caacaagaag aatttcaata 300
 cacaagaagc agcgggtaac actagcaaca aaagtggaga caacaacaaa ggatttcctc 360
 cttgcaagca ctgtggcaga atgggtcatc ctcttttcaa atgttggaga agacccgatg 420
 ttaagt 426

<210> 3460
 <211> 421
 <212> DNA
 <213> Glycine max
 <400> 3460

agctttgaga agataaaatt ctataatgat gtgattattt ataaattctc attgacggag 60
 gaattgttgg agaaaaattc aaattctaaa ataaacaaag ttggtgaaga ttcaaggaga 120
 ttcttttagg aatttgcgtt tcaaaccttt aggattttat ctagatttaa atatattatt 180
 aatttgtttt aacttattct acatatttgt ttcttgtttt aaagactaca acatgataat 240

attcggattc tgtagcgcta tttagctcta tatagagagc caacagaata attctacagt 300
atatttcac tcagatccct tgaacatgtg gataaatctg ttgtgtgaaa gttttccaac 360
agccttggtt tcattagtgc atcactctag ctgctcgctc tttggacaca tttcgagaaa 420
t 421

<210> 3461
<211> 313
<212> DNA
<213> Glycine max

<400> 3461

agcttcccaa catggtttga atgtagcaag aacatgggca ttcaacgatg gaggttacia 60
taatgccctt caaatttctc ctggttctta caacgagaat gtcttcaagg tatcaatcgt 120
atcttaatta atttactacc aaaatagttg tatgctatta ttgtgtgcac acatgagtag 180
tttttttttt caaaaataat taaatatatt aatttatatc tcaataaaaag aatgatatta 240
attactccct ttcttcttat atataagact caattaccta attcattaaa attaagaaaa 300
atgggtaatt tag 313

<210> 3462
<211> 165
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3462

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aaactcttga actaggaaaa agatagccat catctttctg ttcttagtga aggcagtttg 120
aagggtcccca ataatagact caaacactgg ggctatgagg gtggc 165

<210> 3463
<211> 455
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3463

agcttcattc tgcactctga aaaaaggatg agatagttgc acataagaga aagcttcttg 60

atcatgaggg agctaacaaa aattttcatg gaggttgacc ttcttcgagt agttttgact 120
 tccagcaccc tcttatccct cttccatttc cacctagagc aattccaaac aaaataatgg 180
 aagaagtgga aaaggagatc ttggagacct ttaggaaagt agaggtgagc atacctctgc 240
 tagatgccat caagcagatt ccaagatatg ccaagtttct aaaggagctt tgcaccaca 300
 aaaggaagct canaggcaat gaaaggatta gcatgggcag aaatgtgtca gcattgatag 360
 gtaaatatgt tcctcacatt cctgagaaat gtaaggaccc aggtactttc tatatacctt 420
 gcattattgg ggaacagtaa attgagaatg tcatg 455

<210> 3464
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3464

ntttgcncag tcggtcccgt gatcctctag agtcacctgc ggcatgcaag cttanagtat 60
 gcccgagtca ttcattcccta atgatgatgt gtgaagtnat ggcgatcaga attgccattc 120
 cttggattat atgggtgaac caagctcatg cttttacaaa aagggttcac aagtcaagtt 180
 gaaatatgga aagaaccgtc ttgccaaaat ggggccaaaag atgaatcgag acacatcact 240
 gcttcgtcta cttgccaaac atattaggat tattggatgg ctttgtactt tcagttcacc 300
 ttgccccaaa ggcataacca tggggaaatc taaatgattc aaccatatac ttgacaaaac 360
 ttaactgaca tattcgatac atcatgtttt catggttgca tgtaatggct tcttcttgna 420
 agaaatanat tactattact aatttattaa agtggttttt cttgttcaaa aa 472

<210> 3465
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3465

gcttggaat gatttctata caaaaattag ttgtataaag cgactaacag tcgacaaggg 60
 tgttgccctc gctcctacgt atcctcgggt gcgatgagga aatcagacct acgtagttct 120
 ttaagtttga aattttgttg gttaaattgt tttatcttt tttgaaagat tgattttaac 180

cgagcaaaag tcgtttaagg tggtggacct canaatgac ttttgatttt tgaaaagagg 240
 agagagtcgt taaggcattg gaccttgaaa tgacatcttg gtttttgaaa ggagagaatt 300
 gttaaggcat tggaccttga aacgacctct tgatttttct tgatgaaatg aagaagctta 360
 tg 362

<210> 3466
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3466

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 tttcttgctt ctccaacttg ggtttcaaca ttctatagtt gatcactcct tttttatcca 120
 tcacacagtt gattccctta ctactcgtgt atgtagatga catagtcatt gttggaaatt 180
 ctatggatat gataacttca ttcaagcaga atttagataa tcaatttggg cattcttaag 240
 ttctttcttg gtgctggtgt tctcagtgcc aaacctgcaa gcacccttc tgaacctacc 300
 tttgagactt cgccaagatg tcgctcctat acctgacttt cacacgcca gatatatccc 360
 atgttgacca acaacttagt caattttcag ccttcccaac agtgagtcac tatcaataag 420
 cccaacgcgt actttgngta tttgaaaagg aatccca 457

<210> 3467
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3467

acagcgtgca agctgtatgc aagccagtac atangaggcg tctttgggag gatttttttc 60
 tggcatactt gcacgatatc tcttgaacta ggaagatgat ggccatcatc tttctgttat 120
 tagtgaacgc cgtatgaggt ttcccaagaa taccacact gactggtggt atgcaggagg 180
 gctgaattat aaacaccaat ttctttatat aaaataacat agcataagca cggagacggt 240
 gtacgagtcg aactaatatt tatcggccaa ggacacctac ataaccctgg atcatcatga 300
 ttatttgatt gaaaactgaa atatc 325

<210> 3468
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3468

agcttcaggt tgctcattga ctccaaattg ttgcaaagaa ggacagagat ctgtatggtg 60
 atctgcaaaa aaacatagac cacagactct ttcaataggt gcagatgcag atttctgatt 120
 catggcaagc tgagttacta ggttgaccaa ggcatacaagt tttcccttaa gctttttatt 180
 ttcaacagat gaagatgaat ccgtggccac ctcatggact cctctaagga caatagcatc 240
 atttcttgca ctgagttggt ttggagttgg aagccatctt ctcaatcaaa ttcttagcct 300
 caacaagagt catatcacga agagctccac cactggcagc atcaatcgta ctctctcca 360
 tgttgctaag tccctcatag aaatattgca gaaggagttg ctgagaaatc tgggtggtgag 420
 gacagcttgc acacaatntc ttgaa 445

<210> 3469
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3469

agctnttgga aggatcgaga agtgccttat gaatcctccc gtgcttatgc caccggtacc 60
 tggaaggcct ctcatcttat acatgacaat cttagacgag tcaatggggg gtatgctggg 120
 gcaacatgac gaatccgaaa agaaagagcg cgctgtttac tacctaagta agaagttcac 180
 aacctgtgaa atgaactact ccttgctcga aagaacgtgt tgtgctttag tatgggcac 240
 ccatcgtcta aggcagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300
 ggtaagaac atctttgaaa agccagctct cacgggacga atcgcccagt ggcaagtcct 360
 gctatccgag tttgatatag tctacgtcac ccanaaggcg ataaaaggaa ggcgcttagc 420
 agaattattg gctcaacagc ctcttaac 448

<210> 3470
 <211> 449
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 3470

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 caatcatcaa atataaatgt ggattaaata ttaatcgatg tcaataatat gtttagtagg 120
 ttatgtaact taatgtgaaa attttcaaaa attttaataa ttgcagcatt agtccaattc 180
 aacttaatgt gataaataca ttggtcttca aatttcacct caataaatta tatgacttat 240
 gtagaaaaat ctagcaaatg aatctagcaa aatcaaatat ataaatagaa aattacatta 300
 gacgatgtta attaattctc cttcatcatg atcattacga ttagcatgaa cgtgattagc 360
 ttctttcttct ccgacaacat taggagtgat ttgtatggac agaggactaa cataggtgtc 420
 catgtatgaa tcatcatctt ctacattaa 449

<210> 3471
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3471

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 actgaagaag gaacaatcaa ctagacctcc tttggataga ggtccaatga tcttaccagc 120
 agttggcctg actgtggctt tggctctgcc tactatcgag gctcatcatc acagcgctag 180
 catgtcttcc ctttgctatg ataggccttc atgggagggg tcgagaccaa taatatatga 240
 tgtttgcttc atgcgaacca tctataaaag atgaaaaaaaa aaagtcatta taataaacia 300
 ttatathtag ctaagacatt gaaatacata attgaacatt ctatctgtct aagagtaata 360
 aanaaatata caacagaatg atttcgctgt gtgtctcatc ataatgcaca atagaatcac 420
 gatttcattg ggtattattt cg 442

<210> 3472
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3472

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 ctcgagaaac cttcttcaca ttcatcttta ctttcatcaa tggcggcctc ttctgaacat 120
 aatatctcta caaaccaaga cacttatgct aatactgaga gaagcatacc attgccaca 180
 ccaacaatgg ccttgaatta gttcttatta caggctcgtga agaagaatgt aggaaggtgt 240
 gggaaacca tgccttgaat gagttctctc tgaacactaa aaacatttgc tttgcaggctc 300
 cttaccaccc taaactagat tatgaagtca ttaggagttg gttcccaact tataagaatg 360
 aacaccata atccacaagg aaaccattag gagtgacttt ctaaaagaga agagtggat 420
 tntcaaagcc tccctgccta 440

<210> 3473
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 3473

agcttggact atgactacga agccattata ctattggaat gcgatatatg taatcacgct 60
 ctcttttgat cctgtcgaa actacacgca gactctgttt ctttccatta aaaaaccttc 120
 ttcttctttt tgtgcttatt aacaagact ttgctgtgca agataaatga gaatgatcta 180
 ttcaagcatg actggaggag cagatcatga gttcaagtgc tgcagatata tcttagaaat 240
 ggatactagc attccttgct ggacttctca ctgagattat agccactctc atcaatcctg 300
 cagatgagaa tattgctggg tataagcttc tggctgagct taaatacgtc 350

<210> 3474
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3474

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 aacttgtttt tctcactcac actgtccata ggtctaagct tcagtcttct caacacgaac 120
 ctctactggg gtttcaactg acttagctgg ttgttctct tctctgtgg ttgctgggtg 180
 tgctactgct gctgattctg tttcagtagt ttccttaagc ctctctgctt cttctttcac 240

ttcttcagtt ttctcctctg atttctcttc tgetggcttc tcttcctctg tctcctttgc 300
 caccacctcc tcggtctcaa ctggaacttc tttaggctcc tctggggcta cttctgtagn 360
 tgttttctct actggttctg ttgngcctc gatggcttct tcctt 405

<210> 3475
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3475

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 aaacagagca aaggcagaaa actctgctca acacatcaac caaatcaca gcttttctca 120
 cttaaagacc acagtaacaa ttccttcgat ccaattcgtt aaccgttgga tcgactccaa 180
 aattttactg gaagtctata gtgcataagc ctacattgtg gccgttgga tctactagca 240
 aatatccaga actcattctg tactactctt tccacagcca accacacaca agcattttct 300
 gcaccaagct aaaatcctgg tgcacctaat ttgacagcaa aattctgcat aagtgcagat 360
 ttcgaaaatc acancttccc tcatccaatc ttgctcaaat canatcctac aagtcccaaa 420
 tcaggtatca aacat 435

<210> 3476
 <211> 114
 <212> DNA
 <213> Glycine max

<400> 3476

agcttgcgct tgagttgcta tattatcctc tgatcgactc tactttttat tctcttagct 60
 aaaggctcaa ctctcaagga cacaagctca cattggcctt attattatta gctt 114

<210> 3477
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3477

gttgaggatg gagaattgcc taagcaatca ctacgcatgg ctccaagctc caggggtgaat 60

gacgcatgaa cgaaatcgcc attcatggng ctccgaaaag ggggttgagga tggcgaattg 120
 cactaagcaa tcactatgca aagctccaac cttcctgngt ggaggacgca tgaacggaac 180
 gcaattcatg tggctccgaa aaggggttggg atggagaatt gactaagcat tacttcgatg 240
 gctccaactc gtggtggagg acgcatgacg aaacgcactc atgggctccg aatagattgg 300
 aatgagattg cctaacacat acgcacat 328

<210> 3478
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 3478

agcttagacc atgtgaactg ctcttgcaact tccatcgttc aatttcgagc ggctcgatat 60
 attatgcgct tgaatcggac ctccgagaga aaagctcaga ccatcatgag cgctcaagag 120
 cttccattaa tcaatttcga ggggtctcgat atgttatgtt cctaactcag agctccgagg 180
 caaaagttat gtccatatga atatgtcgag agctctcggt gtttaatttc gatcgtcttg 240
 tatatgtgat gtcctgcat cgcacctccg agtgaaaagt tatgaccatt tgaataccta 300
 gagagcgctc gatcttcaat ttctagcgtc tctatatgtg atgcgcctga atcggacctc 360
 ctaatgagaa gcaatgacca tctgaattta tcaagagctt ccgctgacaa attcgagcgc 420
 ctctatatga gatg 434

<210> 3479
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3479

agcttgctcg tcttgctgat atttatcatg cagacttttc tgatgatgac cgaggaacaa 60
 ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct ttttcactt 120
 gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180
 cattggttta taaacttatt gagctagctt tgatattggc cgggtgctgac aacatccgtt 240
 gaaagagctt tttcagcaat gaagattatc aagtctaaat tgcgcaataa gatcaacgat 300
 gtgtgggttca atgacttgat ggtatgttac accgagcggg agatattcaa gtcacttgat 360

gatattgata ttattcgaac atctaccgca cagaagtctc ggaaaggaca cttgcctcgt 420
aattntattt aaccgcgtat tgtaagat 448

<210> 3480
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3480

ggatactctc agtcacctgc ngcatgcaag cttcaagaac ccgatcaaga gtaagcccca 60
ttatatattc ttaatgaaag cgatatcttg gaacgcatgg tgaatggccc atcagcctac 120
ccagaaattt ctaaaaatgc tatgttctac tcaccattca gatttgctat ttattacaaa 180
acatttgaca tatatcaccg atattcatga attctattga cataaaaagc gttccctcta 240
atctctaggc actcacaaca tatagagaca gatagaatag tc 282

<210> 3481
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3481

agcttcttat ccaaggctca tcttggtggn gaagctcctt cttccatggc ttattcccga 60
gtggatggca cctcctctca cctcttctcc tttgtcttcc gctgcatctc catgttgga 120
aatcaccatt aaaggacctc attgaagctc aagatccagc ctccatagaa gccccacaag 180
caagcttcca tcaagtggta tcggagcaca agagcttcaa gtaggtgctc cttanacctc 240
cattaattnt tttttgcttt accttctctt ccattgttgt ttcttcatta ttatccatgt 300
atctcttcac atgtcttggtg ctanatgttg ttaacatgat tctttataat ttccactgat 360
tgatcttgct atagaagctt gatttcattt tctatgggtc aaatttcttg ttcattgtct 420
tgaaccatga g 431

<210> 3482
<211> 392
<212> DNA
<213> Glycine max

<400> 3482

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atcattgaca atgtttcata atgcagaata atttattctt ttgcagcatt gtgatttttc 120
aatcacactt ggatttggat aggttccaat taaggcaaaa attatgatat ttgcttgatc 180
aactaaaatg ttctttgtac atatttttct gtgtatataa tattaattta tgtatatcta 240
atttttaata tttctgttat ttattgtgat tgtatttttt tatttatcat gtgatgtcct 300
gggttttatt tgtaggttt ttttatcatt ctaatcacat tggatgatgat gtttaattta 360
ctgtgatgct atacttgtga ccttgctacg aa 392

<210> 3483

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3483

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ggtgattttc caccatggag atgtagcgga agacaaagga gaagaggatga gaggaggcgc 120
catccactag ggaataagcc atggaagaag gagcttcacc accaagatga gccttgata 180
agaagcttgg aaggatgctt caatggagga aaagaaaggg gagagaaaga gagatggggg 240
agctcgaaat tgaaggaaga aaaagggaga gaagttgaac tttgagttgt gtctcacaag 300
actctcattc atcanagtta caacaagtgt tacacatgtt tctatttata gactaggtgg 360
cttccttgag aagcttcttt gagaaaactt ccttgagaag ctagagctta gctacacaca 420
cccttctaata aactgagctc ac 442

<210> 3484

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3484

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tcagttagct agctagctag gttgtgctct ctctattttaa atcaagagtt tacctgtgta 120

gtaggggttg cagaaaaatct agaagattga gaagccaagt gctgaagagc ctgaacaaat 180
gcagtttgtc caaatTTggc acaatattgc cagtaaatat gacataatcc catcctctag 240
ccttccactc cattaatggt ctgtcaatgt cattttcatg ctttgatag taaggcctca 300
acagagtctg gtaaacaatat cccgtccctt gcatgatgca acattttaag taatatattt 360
aaaagggTgc gttgttggat tcttcacgtt cacactatta accataaaca ctattntagt 420
tatatacttt ttagagtat cat 443

<210> 3485
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3485

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tgagggaatc ttttggaggg cccaagtgga cctgggtgct atttacaccc ccctttttac 120
taaatgcacc cccttatata tttttctgta attctttttc cgtaacgtta cgaaacttta 180
cgaatttcgt aacgatactt attttccttt ccgcaagggt acgaatcctt acggattgat 240
gaatatactc tttttggctt tcaaagaagt tacggaaact cacggattgc gcaaaaacac 300
ctcttttcga tttccgccac attacggaat ttcacggatt acgcaagcct gctttcttta 360
ggattttctga gacgtctcgg gacttcattt attgcatgtc atcaatttat aatcctcgga 420
cgaaattaag ggatgacagt ngcccccttc tact 454

<210> 3486
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3486

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tctcctttta ctgagggttaa ctagaatacc atgggtcgcg gtgtgaaagg aaaagtgggtg 120
ctaaaaaata ttcattggga ttattattct ataaattaat aagactgtgt ttggcaatga 180
catgacttga tttattcaat ttatgattta taaaatcnaa caggaaaatg gagcaatgaa 240

ttactttatcc agaatgttga agcacctcaa gtacaatggt gatgccccaga tttaacacta 300
 atgttttaatc ttgatattta agtgtaatgg gaaaatcacc catttttact gaattatggt 360
 tagttctcat attacaatga ttattgcttt tctgctaact attactaatt tctaattgat 420
 catatgatgc tccatcccat gtacttacag tctcat 456

<210> 3487
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3487

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 tttatttacc aaaaaaaaaa agcatcctca cttaatttga taatcgagtt attgtattgt 120
 atcattttgc cgaggagaaa atcagatagg acgggccttt ttaggtccaa ataggatatt 180
 tttaaggata gataattttg atattatctt tttaaacata agttntatatt tatatatattt 240
 ttaaataatta tattatgtca cttgtatggt gatattattt gcaatttcct atttaataga 300
 gcatgctgta caagaaatta tcaaaatgaa gaaatcataa ttntatcttg gttatctttt 360
 tatagnnttt tttctagtct tttgtggcgt tttcttagga atagaattaa gtagttagc 420
 tcaaggttgg gcgtttccta aaaaacacca taaat 456

<210> 3488
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3488

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 gccaaactaac taactatttc tgttaaagct gtttatactg ctaagagccc ccctcaagct 120
 gggaatggat attcatcatt ccagcttgt tacaaggtg ctgaaaggtg gctggtcgta 180
 aagctttggt gaatatgtcc acaagttgca ttganggatg agaccggaag gagcttgacg 240
 agacccgcag tgactttgtg gcggataata tgacaatcga tctcgatatg cttgggtgcgt 300
 tcatggaaaa cggtatttgt tgctatctga attgcagatt gggtatcaca atataaagtg 360

gctggctgaa taaatgctac accaatgtct tggagaatat acgttaacca ttgcagctca 420
caggcagtag atgcgagagc tcgataactca gcttc 455

<210> 3489
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3489

agctntgana tgggtgctaac caagcgaccc gtgcgtatgc acggggttgca tactagttaa 60
cataaaatca caatatctat aaaccaatat ggtcagtcta gtttgcataa ggtcattgaa 120
gcaaacacta ttaccattgt tgcgcatggt ctaaaaaaca aaaactaagc atataatgag 180
tagctcactc tatgattagt taaggctcga attctcacia aaggaaacgt atctgatctt 240
ctcttaaaag aaattgtatc tataagataa tatttgtgaa aacaatacat taactagtat 300
tttaacgtga atttatatca tttaaagtga actaaaatat gtaaatacat gataacccaa 360
ttattgatac atgttaatta attaataata aaattgtata aatattattt taattcttga 420
aagtacattn ttagtattta ttaatttcag taattaaat 459

<210> 3490
<211> 403
<212> DNA
<213> Glycine max

<400> 3490

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tgcacagacc aaagttgcgt atgtaaaaaa attgtatgac caagtgaagg tgctaattgc 120
aaagaagaat gaaagctatg ccaagcaagc ccaaaagaaa aggaaggaag tggacttga 180
accgggtgat gatcttggac atttgaggac aaatggtttc caagaaggag ggaatgatga 240
gaatcatgaa acaggccaaa tacagtctaa aggcccaagt ggagaaggac gaacgcccac 300
gtggagaagg acaaagcccc cgagtggaga aggatgaacg cccaagtgga gaaggatgaa 360
cgcccacagg cagagacact atcaagacta ttaattgatg ctg 403

<210> 3491

[illegible]

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tctgaagaag	ctattctaaa	tggccccaaa	ttgtattctt	gagtccttaa	tgctcgtgct	120
gaccaagctt	ctgttcctgg	cctgtttatt	ttcttctactg	aaataatttg	tggtctgtgc	180
tgacgagtgt	gctgtaagaa	actgactttg	gcatcttaa	cctacctaat	actctatttt	240
gaaaacagga	aaaaccgagt	ccatggatcc	aaattcaaga	attatggttc	ctgaagatag	300
gcatggactc	catgcaattg	atattttgga	ccctgacttg	gtatgcttgt	tttaaagttt	360
gttgaagtgc	aatgcagata	tccaagcaag	ttattcatga	atcctatata	attc	414

<400> 3492

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cagaaagaat	agtcgaggga	gtgaaatctt	gtttttctct	tattttcaagg	aatcatagta	300
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<223>      unsure at all n locations
<400>      3493
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1480

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 gcgaggatcc tgaattctct tcctcaacca tgggtagtaa tcttgaagac gatactcctt 300
 gtaaaccctt ccaggcactt ccacaccacc gcccttgcta gtcacaccaa aaccaaatat 360
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 acatgccaca tgaaaacatg 440

<210> 3494
 <211> 439
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 3494

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 aagctcacc ctatgacaaa aaacatgaaa atacaaaaaa aaattcctta ctacaaagac 180
 tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg accaaaatac 240
 aaggcccaaa cgaaggaaaa acctattcta atatttatac agataagcgg gcttatactt 300
 agcccatggg ctcgaaatct accctaaggc tcatgagaac cctagggcct tcccttggat 360
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<210> 3495
 <211> 436
 <212> DNA
 <213> Glycine max

 <400> 3495

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 aagctcacc tcatgaccaa atacatgaaa atacaaaaaa gtccctacta caaagactac 180
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gccccaaacga aggaaaaaaca tattctaata ttacaaaaga taagcgggct cataacttagc 300
ccatgggctc gaaatctacc ctaaggctca tgagaaccct agggccttcc cttggatctc 360
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<210> 3496
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3496

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agggtagagt taacttaggg ttagaaagtg agaatgtgat gttatgagtg gaaaaagagt 180
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ttaatcctag cttgaaatgt catttaggac ttatgagaaa ggtaggctg tgctagagag 300
aaaaacaaat gaccaaagtg aacaaagagc catttctagg acaaatttgg gtgttgaaga 360
gtcaaacttt gattcgggtga gattntaggt gtaaattccag ttcgaacaag tct 413

<210> 3497
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3497

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gtggaataat gaaacagttt gagcaaggaa caatagaata caaggtgaat acatgcacca 180
tcaggcagtt tgagcttata agcagccttt gccaatgtgt tccaagattt ggtagggccc 240
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atgaggtcat agttcaccat gaccagctcc ctttcgtgaa aattaacatc ctttcgttta 360
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450

<210> 3498
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3498

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caagtctata acattaatct aaacttgctc aaactggttt tacgcctaaa attccaccga 180
atcaaaattt gactcctcaa cacccaattt taccctagaa atggctcttg ttttcacttt 240
ggtcactcat attcctcatt tgcacagtct aagctttctc ttaagtccta aatgacattt 300
caaactagga ttaactcact ttaacccccca attaccactg aattcagatt tagccttcca 360
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gttaactcta cccttcatct ctagcagttt 450

<210> 3499
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3499

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gctagcagat gagtatgcaa aggtatcggt cctacaagaa gaaagggaag ccagagaaag 180
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<210> 3500

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<400> 3502

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 ctagatctaa acaaagtact tcccagataa agcataattt gatgccatga gtcagtcata 300
 cagttatfff agcaaattat ttttatgata aaactaactc actatgttgg agacaagctg 360
 acaaaaatac ataatagtgg aaacagaaat gaatagactc tattatctta cattagattg 420
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<210> 3503

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3503

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 ttgttttggg ttattggtat actacttgct tagctcttca atcatgaaca tggttgatct 180
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 tttccctttc caatcctttt aattaatgat atgagggatg gaggttaatg caagtcatca 420
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<210> 3504

<211> 447

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 3504

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agattctatg ttataacatt taaaatataa aactacatta tgaaaaatgc aatggtaagt 180
aaattaaata ctttttcttg agagattcat aactaataac gcgaagttga aatagacata 240
acgttttaag ttgaaattct attaatttac aattagtatt gtttgattga gtagaaagaa 300
aagtaaaaaa agattaataa aattaaatta aaatagaatg taaaaatata aattctgcat 360
tattttactg gttattatct tttttattct cttttttctc aaacgaaacc ttagtattct 420
tataattgaa tgagtttttt atgtcca 447

<210> 3505
<211> 395
<212> DNA
<213> Glycine max

<400> 3505

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caggaggcta agatgggtctc tggtaatcga ttacc 395

<210> 3506
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3506

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tcaatacggg atatgctgg gtagatagag cttcatcacc tataatgggt ctttggtaat 180
gaaccttaag aagacgcttt accggaagaa cagaacggaa tagaggggtg tacgagattc 240
aaggacattc atagggagag aagtgaacca ttgatgagcg catcatacga cttctatcta 300

tgaaaattac atccagtgtt acacatgcta atatttatct actcgttgct ctcttgacta 360
actttcttga gaaaactctc ctgtgatacg tcacttaaaa aactcccttg ctaaactata 420
gcttacatac acacacgcct ctaataactg aacctacctg cgtgagaagc tcaattgtag 480
agatctctn 489

<210> 3507
<211> 419
<212> DNA
<213> Glycine max

<400> 3507

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ggtcataact tttcacacgg atgtccgatt cgggcgcata atatgtcgag aggctcgaaa 120
ttgaacaacg gaagctcttg agaaattcaa atggtcataa cttttcacac ggatgtccga 180
ttcaggagca tcacatatag agacgctcga aatttaaattg ggcataattt ttcacacgga 240
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gaaattcaaa tgggcataac ttttcacacg gatgatcgat tcgagcgcatt aatatgtcga 360
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<210> 3508
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 3508

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agagagaagt gcctaagggg ctgggatcct tttccacttc acttctctcc ctatttatag 240
caaaataggg gagatgcttg ccgccagct cgcccaggcg agctcagctc gccaggcgga 300
gcagggttgc ttcctccaga agcaaccgcc ttctggagga atcttctgga gggcccaagt 360
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<210> 3509
 <211> 177
 <212> DNA
 <213> Glycine max

<400> 3509

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 ttgatgcggt gtatgcatcc ttcatgcca taaccacctt tgagttgtca atgcactata 120
 gggtttgggt attgttagga gggagagatc tttatgggga aaaattttta aaactta 177

<210> 3510
 <211> 456
 <212> DNA
 <213> Glycine max

<400> 3510

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 gatgaacaca atttgaaaaa aattgaaaat aaaggggaaa tgcttgaaac aaattgaaag 180
 gaaaaataca caaatcatg aaagtaatta tgagtttgaa tttattaaaa tttgcagagt 240
 ttcaagtcac aagataagtt acatgcatat taaaaatttg atttttatca ccaaggttta 300
 agtgacttaa atgcaaagtg aaagattgta tttattaga tgaaccttag ttgaatagat 360
 gcattgaaac tatttttgtt tcaactttca agagaactta tttattatag ttggtgacaa 420
 tcttcacgat aaatagagag tgtctgagaa gagaga 456

<210> 3511
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3511

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gcttctatatt atagactagg tagcttccctt gagaagctnt cttgagaaac acttcttgag 360
aagcttctttt gagaaaactt ccttgagaaa ctagagctta cctacacaca cccctctaata 420
aactaagctc ac 432

<210> 3514
<211> 446
<212> DNA
<213> Glycine max
<400> 3514

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gtgaagaaga atgtggcatt tacctgggggt gaaaaacaag agcaagcctt tgctttgctc 120
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ttgtcattca tagtgatcat caatcactta agtacattag agggcaaagc aagttaaaca 420
agaggcatgc aaaatgggta gagtac 446

<210> 3515
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3515

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tacaggtttg ctaagcgcac agcttcatcc cactaagcgc actgcttcag ttcactact 180
aagcaagaaa ggcacgcact aagccaaaat tcaataatgt gcgctaagcg gtccataagt 240
gcgctaagcg cagcagcacg aacaaggcca cctatttaag cctgaaatca gatttttagaa 300
ggattttgga ctgggattca aagctttgca tgtctaaggt ttctagagag agaaaggtct 360
aagttccaga gagttttgag agattntact gtgggaagat ctgtagagac cagagcttga 420

<210> 3516
 <211> 449
 <212> DNA
 <213> Glycine max

<400> 3516

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 cattttaaaa ttcaaattta attagtagaa tctagctgac aagaataaag ctcttgagtc 240
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<210> 3517
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 3517

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 gaccatcaaa cctgtccaaa atctttgaaa gaagagatga atcttcttca tcatgtcctt 180
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 caaaatcaag agggatgttg aagtgttgaa ggaaaagggt aacaagatga ggataaggca 360
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 atttgaaacc tttatg 436

<210> 3518
 <211> 446

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3518

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 ttttttcctt ttttctaatt taaatttaac tttcttcttt ttcttcatcc caataaattg 180
 tgaatgatta gttctttggt ctaaaaattc aaagtcagga atttatgtat ttatttagaa 240
 gcgggaaagg aataaaaaaa aggtgccagc tatttccaac aataaacgtg gcccgcatgg 300
 atgagataat tcgaaaacga aatagacggc cacgatcttc ctaaatcaca tttgcgggtc 360
 atttgccaca acttgccttt nttaaaccac actgcgggca cctcaggcct cagccacaca 420
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<210> 3519
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3519

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 atacccatag tggcgagatt tcctaatac tgatagaact ggacggacat tccatttgag 180
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 actgtccttg gaatgatgat aagcttatat tgtgcttggg gttaggagac aaaagctgtc 300
 tattattata caaccaactt ggtatagcag tcgcttcctt cttccctgtt tttctgattg 360
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<210> 3520
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 3520

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aacaattgct tgaccacaac agcgctggag ggcacaaggg acaatgggtct ttcaaataaa 120
cctgttgtac atgaacaaac aatatatcat acgctgaccg tgccaaacga accagcgaag 180
tcattgcata attgttatac taactataat tcatgaacct gaacaaaatg atttccaaac 240
acatgaccga cacatatgat gcggtggcca gaagaatcag gtggtgggtg acttctaaga 300
gggaaaaatg tcatgctntg ttgtcgggac aacgatacaa ggattacgtt ataccgtgaa 360
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canacatata catgtangta att 443

<210> 3521
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3521

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cttcgctttt atcggttaac atggaccgtt caaaagcata aaatcaacat gtatcttttag 120
cgcttttgcg agaactacgt aggtctaatt tcctcttcga ttaggatac gtaggagcaa 180
aagccccgct tttgtcgacc tcgggagatg gttagaagtc caacgcctta gctttctcac 240
caagtaaaat gaatcattnt aaggtctaac gccttatatg acccccttcc aagtaaaaag 300
aatcacttga ttcgcccctt ttgaaagaac tacgtaggtc tgatttcctt atcacaattg 360
aggaatacgt aggagcatgg gaaaaaccct tgtcaccaca aaaagataaa aaataaaaaa 420
ggcataaaaa gacttataaa aacgta 446

<210> 3522
<211> 459
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 3522

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